List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
Potomac River & Shenandoah River Basins				
VAN-A01R_XDH01A04	Unnamed Tributary to Piney Run.	Segment begins at the headwaters of the unnamed tributary (streamcode XDH) and continues downstream to the confluence with Piney Run.	3C	Class III, Section 10, no special stds. Citizen monitoring station 1AXDH-15-LWC. Four surveys: 1/4 Good ; 3/4 Fair Rating. Area of medium probability of adverse conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A02R_MIH01A02	MILLTOWN CREEK	Segment starts at the confluence of x-trib and Milltown Creek, approx. 0.1 rivermiles downstream from Rt. 850, and continues downstream to the confluence of x-trib to Milltown Creek, approx. 0.34 rivermiles upstream from Rt. 681 near Milltown.	3C	Class III, Section 10, no special stds. Citizen Monitoring Station 1AMIH-11-LWC. Six surveys: 6/6 Fair Rating. Area of medium probability of adverse conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A03R_XAQ01A04	Unnamed Tributary to Limestone Branch	Segment begins at the confluence of an unnamed tributary and continues downstream to the confluence with Limestone Branch.	3C	Class III, Sections 8 and 8b, PWS. Downstream portion included in Section 8b. DEQ TMDL special study monitoring station 1AXAQ000.85. Citizen Monitoring Station 1AXAQ-5-LWC. Citizen monitoring finds this to be an area of medium probability of adverse conditions for biota. Eleven surveys: 11/11 Fair Rating.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A03R_XGJ01A04	Unnamed tributary to Limestone Branch	Segment begins at the headwaters of the unknown tributary and continues downstream to the confluence with Limestone Branch.	3C	Class III, Sections 8 and 8b, PWS. Downstream portion included in Section 8b. Citizen Monitoring Station 1AXGJ-16-LWC. Six surveys: 6/6 Fair Rating. Area of medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A05R_PAE01A02	PANTHER SKIN CREEK	Segment starts at the confluence of Jeffries Branch to Panther Skin Creek and continues downstream to the confluence with Goose Creek.	3C	Class III, Section 9, no special stds. Citizen Monitoring Station 1APAE-12-LWC. Eight surveys: 2/8 Good; 5/8 Fair; 1/8 Poor Rating. Area of medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A06R_CRF01A02	CROOKED RUN	Segment begins at the confluence of x-trib with Crooked Run, at the Rt. 725 bridge, and continues downstream to the confluence with the North Fork Goose Creek.	3C	Class III, Section 9, no special stds. Citizen monitoring stations 1ACRF-3-NFGCW, 1ACRF-3-SOS, and 1ACRF-6-LWC. No exceedances of pH or DO at the NFGCW station. Four surveys at SOS station (4 traditional): 2/4 excellent, 2/4 good ratings. Eighteen surveys at LWC station: 4/18 good, 12/18 fair, and 2/18 poor ratings. Area of medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A06R_NOG01A04	North Fork Goose Creek	Segment begins at the confluence of Crooked Run and continues downstream to the confluence of Beaverdam Creek with North Fork Goose Creek.	3C	Class III, Section 9, no special stds. Citizen monitoring stations 1ANOG-5-NFGCW and 1ANOG-5-SOS. No exceedances of pH or DO at the NFGCW station. Four biological surveys at the SOS station (4 traditional): 1/4 fair, 3/4 poor. Citizen station finds high probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A06R_NOG03A02	NORTH FORK GOOSE CREEK	Segment begins at the outlet from Sleeter Lake and continues downstream to the confluence with Jacks Run.	3C	Class III, Section 9, no special stds. Segment formerly identified as VAN-A06R_NOG02A02. Segment ID was changed to account for additional monitoring stations downstream on North Fork Goose Creek. Citizen monitoring stations 1ANOG-1-NFGCW, 1ANOG-1-SOS, and 1ANOG-7-LWC. No exceedances of pH or DO at the NFGCW station. Four surveys at SOS station (4 traditional): 2/4 excellent, 1/4 fair, 1/4 poor rating. Thirteen surveys at LWC station: 7/13 Fair, 6/13 Poor ratings. Citizen monitoring finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A07R_BUS01A02	BUTCHERS BRANCH	Segment starts at the confluence of x-trib to Butchers Branch, immediately upstream from Rt. 831, and continues downstream to the confluence with the North Fork Beaverdam Creek.	3C	Class III, Section 9, no special stds. Citizen monitoring station 1ABUS-10-LWC. Twelve surveys: 12/12 fair ratings. Citizen monitoring finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A07R_NOB01A02	NORTH FORK BEAVERDAM CREEK	Segment starts at the confluence of x-trib to the North Fork Beaverdam Creek, near the Rt. 734 bridge crossing x-trib, and continues downstream to the confluence with the main stem of Beaverdam Creek.	3C	Class III, Section 9, no special stds. Citizen monitoring station 1ANOB-9-LWC. Two surveys: 2/2 fair ratings. Citizen monitoring finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A07R_NOB03A04	North Fork Beaverdam Creek	Segment begins at the headwaters of North Fork Beaverdam Creek and continues downstream to the confluence with Butchers Branch.	2B	Class III, Section 9, no special stds. DEQ biological monitoring station 1ANOB007.97. Benthic macroinvertebrate biological monitoring rates this stream segment as slightly impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A08R_GOO03A02	GOOSE CREEK	Segment begins at the confluence of Little River to Goose Creek and extends downstream to the backwaters of the Goose Creek Reservoir at approximately rivermile 10.2.	2B	Class III, Section 9, no special stds. DEQ monitoring station 1AGOO011.23 and USGS station 01644000. This segment is not intended to include the PWS backwaters of the Goose Creek Reservoir. Three of 18 samples (16.7%) exceeded the TP screening value of 0.2 mg/L at the USGS station resulting in this segment being classified as a water of concern.
	Parameter(s) of Concern: - Phosphorus, Elemental			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A09R_BEM01A04	Beaverdam Run	Segment starts at the confluence of an unnamed tributary with Beaverdam Run, in Asburn Park, and continues downstream to the inundated waters of an unnamed lake on Beaverdam Run (note: lake is not shown in NHD).	3C	Class III, Section 9, no special stds. Citizen monitoring station 1ABEM-13-LWC. Eleven surveys at citizen monitoring station: 10/11 fair ; 1/11 poor ratings. Citizen station finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A10R_SUG02A02	SUGARLAND RUN	Segment begins at the confluence of Smilax Branch to Sugarland Run and continues downstream to the confluence with Folly Lick Branch.	3C	Class III, Section 9, no special stds. Citizen Monitoring Stations 1ASUG-SLR1-SOS and 1ASUG-SLR2-SOS. Six surveys at station 1ASUG-SLR1-SOS (3 traditional, 3 modified): 1/3 fair, 2/3 poor, 3/3 unacceptable ratings. Two surveys at station 1ASUG-SLR2-SOS (1 traditional, 1 modified): 1/1 poor, 1/1 acceptable ratings. Citizen monitoring finds high and medium probability of adverse conditions for biota, respectively.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_COV02A02	COLVIN RUN	Segment begins at the headwaters of Colvin Run and continues downstream to its confluence with x-trib flowing from Lake Anne.	3C	Class III, Section 9, no special stds. Citizen monitoring stations 1ACOV-DR27-SOS and 1ACOV-DR28-SOS. Downstream station 1ACOV-DR27-SOS had 5 surveys (2 traditional, 3 modified): 2/2 poor ratings, 3/3 unacceptable ratings. Upstream station 1ACOV-DR28-SOS had 5 surveys (2 traditional, 3 modified): 2/2 fair ratings, 3/3 acceptable ratings. Citizen monitoring finds high and low probability of adverse conditions for biota, respectively.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A11R_DIF04A02	DIFFICULT RUN	Segment begins at the confluence of x-trib to Difficult Run, approx. 0.15 rivermiles downstream from the Rt. 644 bridge, downstream to its confluence with Rocky Branch.	3C	Class III, Section 9, no special stds. Citizen Monitoring Stations 1ADIF-DR3-SOS, 1ADIF-DR25-SOS, and 1ADIF-DR26-SOS. Results of citizen monitoring: - 1ADIF-DR3-SOS: 1 survey (1 traditional): 1/1 poor rating. - 1ADIF-DR25-SOS: 2 surveys (1 traditional, 1 modified): 1/1 fair rating, 1 acceptable rating. - 1ADIF-DR26-SOS: 4 surveys (3 traditional, 1 modified): 1/3 excellent, 1/3 fair, 1/3 poor ratings, 1 unacceptable rating.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_LID01A02	LITTLE DIFFICULT RUN	Segment begins at the confluence of South Fork Little Difficult Run with Little Difficult Run downstream to its confluence with Difficult Run.	3C	Class III, Section 9, no special stds. Citizen Monitoring Station 1aLID-DR23-SOS. Citizen monitoring finds high probability of adverse conditions for biota. 7 surveys (4 traditional, 3 modified): 1/4 fair, 3/4 poor, 3/3 unacceptable rating.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_OCS01A04	Old Courthouse Spring Branch	Segment begins at the headwaters of Old Courthouse Spring Branch and continues downstream to the confluence with Wolftrap Creek.	3C	Class III, Section 9, no special stds. Citizen monitoring station 1AOCS-DR5-SOS. 13 surveys (11 traditional, 2 modified): 5/11 fair, 6/11 poor, 2/2 unacceptable rating. Citizen monitoring finds a high probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_SCO01A02	SCOTT RUN	Segment begins at the confluence of x-trib to Scott Run, near the intersection of the Beltway and the Dulles Access Road, and continues downstream to the confluence with the Potomac River.	3C	Class III, Section 8, PWS. Citizen Monitoring Station 1ASCO-SCOT1-SOS. Six biological surveys (5 traditional, 1 modified): 3/5 fair, 2/5 poor, 1/1 unacceptable rating. Citizen monitoring station finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A11R_SNA01A02	SNAKEDEN BRANCH	Segment begins at the confluence of x-trib to Snakeden Branch, approx. 0.4 rivermiles downstream from the Twin Branches Road bridge, downstream to the confluence with Difficult Run.	3C	Class III, Section 9, no special stds. Citizen Monitoring Station 1ASNA-DR3-SOS finds medium probability of adverse conditions for biota. 10 surveys (8 traditional, 2 modified): 2/8 good, 5/8 fair, 1/8 poor, 2/2 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_SNA02A02	SNAKEDEN BRANCH	Segment begins at the outlet from Lake Audubon and continues downstream to the confluence of x-trib to Snakeden Branch, approx. 0.4 rivermiles downstream from the Twin Branches Road bridge.	3C	Class III, Section 9, no special stds. Citizen Monitoring Station 1aSNA-DR11-SOS finds high probability of adverse conditions for biota. 3 Surveys (3 traditional): 1/3 fair, 2/3 poor ratings. Surveys conducted in 1999.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_SNA03A02	SNAKEDEN BRANCH	Segment begins at the confluence of x-trib to Snakeden Branch, approx. 0.5 rivermiles upstream from Lake Audubon, downstream to the start of Lake Audubon.	3C	Class III, Section 9, no special stds. Citizen monitoring station 1ASNA-DR15-SOS finds medium probability of adverse conditions for biota. Citizen monitoring station 1ASNA-DR30-SOS finds high probability of adverse conditions for biota. Results of citizen monitoring: - 1ASNA-DR15-SOS: 1 Survey (1 traditional): 1/1 poor rating. - 1ASNA-DR15-SOS: 5 surveys (2 traditional, 3 modified): 1/2 fair, 1/2 poor, 3/3 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A11R_SNA04A02	SNAKEDEN BRANCH	Segment begins at the headwaters of Snakeden Branch and continues downstream to the confluence of x-trib to Snakeden Branch, approx. 0.5 rivermiles upstream from Lake Audubon.	3C	Class III, Section 9, no special stds. Citizen monitoring stations 1ASNA-DR16-SOS, 1ASNA-DR19-SOS, and 1ASNA-DR29-SOS. Citizen monitoirng finds medium probability of adverse conditions for biota at stations 1ASNA-DR16-SOS and 1ASNA-DR19-SOS and a high probability of adverse conditions at 1ASNA-DR29-SOS. Results of citizen monitoring: - 1ASNA-DR16-SOS: 1 survey (modified method): 1/1 unacceptable rating. - 1ASNA-DR19-SOS: 2 surveys (modified method): 2/2 unacceptable rating. - 1ASNA-DR29-SOS: 4 surveys (2 traditional, 2 modified): 2/2 poor, 2/2 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_SOL01A02	SOUTH FORK LITTLE DIFFICULT RUN	Segment begins at the headwaters of South Fork Little Difficult Run and continues downstream to its confluence with Little Difficult Run.	3C	Class III, Section 9, no special stds. Citizen monitoring station 1ASFR*-DR24-SOS (streamcode is SOL). Citizen Monitoring Station 1aSFR*-DR24-SOS finds medium probability of adverse conditions for biota. 1 survey (traditional method): 1/1 fair rating.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A11R_WOT01A02	WOLFTRAP CREEK	Segment begins at the confluence of Old Courthouse Spring Branch to Wolftrap Creek and continues downstream to its confluence with Difficult Run.	3C	Class III, Section 8, PWS and Section 9, no special stds. Citizen monitoring stations 1AWOT-DR8-SOS, 1AWOT-DR9-SOS, and 1AWOT-12-ANS. The downstream section of this segment is PWS waters (Section 8). Citizen Monitoring Stations 1AWOT-DR8-SOS and 1AWOT-12-ANS find medium probability of adverse conditions for biota. Results of citizen monitoring: - 1AWOT-DR8-SOS: 8 surveys (8 traditional): 1/8 excellent, 2/8 good, 1/8 fair, 4/8 poor ratings. - 1AWOT-DR9-SOS: 4 surveys (4 traditional): 2/4 excellent, 1/4 good, 1/4 fair ratings. - 1AWOT-12-ANS: 15 Surveys, Fair overall rating by ANS.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A11R_XJJ01A02	COLVIN RUN, UT	Segment begins at the outlet from Lake Anne and continues downstream to the confluence with Colvin Run above Lake Fairfax.	3C	Class III, Section 9, no special stds. Citizen Monitoring Station 1aCOL*-DR20-SOS. Six surveys (3 traditional, 3 modified): 3/3 poor ratings, 3/3 unacceptable ratings. Citizen monitoring finds a high probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A12R_GUL01A04	Gulf Branch	Segment begins at the headwaters of Gulf Branch and continues downstream to the confluence with the Potomac River.	3C	Class III, Section 7, special std. b. Citizen monitoring stations 1AGUL-P1-SOS and 1AGUL-P3-SOS. Citizen monitoring finds medium and low probability of adverse conditions, respectively, for biota. Two surveys using the modified method at the downstream station (below GW Parkway) indicate unacceptable ratings. These two surveys were conducted 8/27 and 8/29 of 2001. One survey using the modified method at the station upstream from the GW Parkway indicates acceptable results.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A12R_SPU01A04	Spout Run	Segment begins at the headwaters of Spout Run and continues downstream to the confluence with the Potomac River. Segment is not on NHD layer.	3C	Class III, Section 7, special std. b. Citizen monitoring stations 1ASPU-P1-SOS, 1ASPU-P2-SOS, and 1ASPU-P3-SOS. Citizen monitoring finds medium probability of adverse conditions for biota in this segment. One survey was conducted at each station using the modified SOS method. All three surveys indicated unacceptable conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A14R_PAU01A04	Paul Spring Branch	Segment begins at the headwaters of Paul Spring Branch and continues downstream to the confluence with North Branch.	3C	Cass III, Section 7, special stds. b. Citizen monitoring station 1APAU-PSB01-SOS. Citizen monitoring finds high probability of adverse conditions for biota with 3 suveys conducted using the modified method that each indicate unacceptable conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A15R_ACO03A02	ACCOTINK CREEK	Segment begins at the confluence of Long Branch with Accotink Creek, at Eakin Park, and continues downstream to the confluence with Crook Branch.	3C	Class III, Section 7, special stds. b. Citizen Monitoring Station 1AACO-ACC9-SOS. Citizen monitoring finds high probability of adverse conditions for biota. Three surveys (2 traditional, 1 modified): 2/2 poor, 1/1 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A15R_ACO05A04	Accotink Creek	Segment begins at the confluence of an unnamed tributary with Accotink Creek, in the upstream corridor of Ranger Park, and continues downstream to the confluence of Daniels Run with Accotink Creek	3C	Class III, Section 7, special stds. b. Citizen monitoring stations 1AACO-ACC5-SOS and 1AACO-ACC10-SOS. Citizen monitoring stations 1AACO-ACC5-SOS and 1AACO-ACC10-SOS find high and medium probability of adverse conditions for biota, respectively. Results of citizen monitoring: - 1AACO-ACC5-SOS: 3 surveys (3 traditional): 3/3 poor ratings. - 1AACO-ACC10-SOS: 2 surveys (1 traditional, 1 modified): 1/1 fair, 1/1 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A15R_CRK01A02	CROOK BRANCH	Segment begins at the headwaters of Crook Branch and continues downstream to the confluence with Accotink Creek.	3C	Class III, Section 7, special stds. b. Citizen Monitoring Station 1ACRK-ACC1-SOS. Citizen monitoring finds high probability of adverse conditions for biota. Four surveys (4 traditional): 4/4 poor ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A15R_LOA01A02	LONG BRANCH	Segment begins at the headwaters of Long Branch and continues downstream to the confluence with Accotink Creek in Eakin Park at rivermile 19.46.	3C	Class III, Section 7, special stds. b. Citizen Monitoring Station 1ALOA-ACC4-SOS. Citizen monitoring finds high probability of adverse conditions for biota. Four surveys (2 traditional, 2 modified): 2/2 poor, 2/2 unacceptable ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A15R_LOE01A02	LONG BRANCH	Segment begins at the confluence of x-trib to Long Branch, at the Rt. 651 (Guinea Road) bridge, and continues downstream to the confluence with Accotink Creek at rivermile 14.32, just below Braddock Road.	3C	Class III, Section 7, special stds. b. Citizen Monitoring Stations 1ALOE-ACC7-SOS and 1ALOE-ACC8-SOS. Citizen stations 1ALOE-ACC7-SOS and 1ALOE-ACC8-SOS find high and medium probability of adverse conditions for biota, respectively. Citizen monitoring results: - 1ALOE-ACC7-SOS: 6 surveys (3 traditional, 3 modified): 3/3 poor, 3/3 unacceptable ratings. - 1ALOE-ACC8-SOS: 2 surveys (2 traditional): 1/2 fair, 1/2 poor ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A16R_POH02A02	POHICK CREEK	Segment begins at the confluence of x-trib to Pohick Creek, at rivermile 14.18, and continues downstream to the confluence of Middle Run to Pohick Creek.	3C	Class III, Section 7, special stds. b. Citizen monitoring stations 1APOH-POH3-SOS, 1APOH-POH4-SOS, 1APOH-POH6-SOS, and 1APOH-POH8-SOS. Citizen stations 1APOH-POH3-SOS and 1APOH-POH4-SOS find a medium probability of adverse conditions for biota. Citizen stations 1APOH-POH6-SOS and 1APOH-POH8-SOS find a high probability of adverse conditions for biota. Citizen monitoring results: - 1APOH-POH3-SOS: 3 surveys (3 traditional): 3/3 fair ratings. - 1APOH-POH4-SOS: 2 surveys (2 traditional): 1/2 fair, 1/2 poor ratings. - 1APOH-POH6-SOS: 5 surveys (4 traditional, 1 modified): 4/4 poor, 1/1 unacceptable ratings. - 1APOH-POH8-SOS: 2 surveys (2 traditional): 2/2 poor ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A16R_POH04A02	POHICK CREEK	Segment begins at the confluence of Rabbit Branch to Pohick Creek, adjacent to the railroad tracks, and continues downstream to the confluence of Sideburn Branch with Pohick Creek.	3C	Class III, Section 7, special stds. b. Segment ID changed from VAN-A16R_POH03A02 last cycle to account for new monitoring stations on Pohick Creek. Citizen Monitoring Station 1APOH-POH5-SOS. Citizen monitoring finds high probability of adverse conditions for biota. Three surveys using the traditional method that all show poor conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A16R_SID01A02	SIDEBURN BRANCH	Segment begins at the outlet from Woodglen Lake and continues downstream to the confluence with an unnamed tributary which is the outlet from Lake Barton.	3C	Class III, Section 7, special stds. b. Citizen Monitoring Station 1ASID-POH1-SOS. Citizen monitoring finds medium probability of adverse conditions for biota. Six surveys were conducted using the traditional method: 2/6 good, 1/6 fair, 3/6 poor ratings.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A22R_BIR01A02	BIG ROCKY RUN	Segment begins at the confluence of x-trib with Big Rocky Run and continues downstream to the confluence with Cub Run.	3C	Class III, Section 7a, special stds. g. Citizen monitoring stations 1ABIR-CR5-SOS and 1ABIR-10-ANS. Citizen monitoring stations 1ABIR-CR5-SOS and 1ABIR-10-ANS find medium and high probability, respectively, of adverse conditions for biota with the following results: - 1ABIR-CR5-SOS: 5 surveys (2 traditional, 3 modified): 2/2 fair, 1/3 acceptable, 2/3 unacceptable ratings. - 1ABIR-10-ANS: 18 Surveys, Poor overall rating by ANS.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A23R_PIY01A02	PINEY BRANCH	Segment begins at the confluence of x-trib to Piney Branch, approx. 0.23 rivermiles upstream from Popes Head Road, and continues downstream to the confluence with Popes Head Creek.	3C	Class III, Section 7a, special stds. g. Citizen monitoring station 1APIY-17-ANS. Citizen monitoring finds medium probability of adverse conditions for biota with a fair overall rating provided by ANS.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A23R_POE02A02	POPES HEAD CREEK	Segment begins at the confluence of x-trib to Popes Head Creek, approx. 0.13 rivermiles upstream from Fairfax Station Road, and continues downstream to the confluence with Piney Branch.	3C	Class III, Section 7a, special stds. g. Citizen monitoring station 1APOE-18-ANS. Citizen monitoring finds medium probability of adverse conditions for biota with a fair overall rating provided by ANS.
	Parameter(s) of Concern:			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A23R_XJL01A02	PINEY BRANCH, UT	Segment begins at the headwaters of the unnamed tributary and continues downstream to the confluence with Piney Branch. Segment length is estimated. Segment reach is not in NHD coverage.	3C	Class III, Section 7a, special stds. g. Citizen monitoring station 1APYB*-A01-ANS. Citizen monitoring finds medium probability of adverse conditions for biota with a poor overall rating provided by ANS. One survey was conducted during the assessment period.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A24R_HOO01A02	HOOES RUN	Segment begins at the outlet from Lake Omiscol and continues downstream to the beginning of the inundated waters of the Occoquan Reservoir.	3C	Class III, Section 7a, special stds. g. Citizen monitoring station 1aHOO-1-ANS. Citizen monitoring finds high probability of adverse conditions for biota with a poor overall rating by ANS.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A26R_LIE01A02	LITTLE CREEK	Segment begins at the headwaters of Little Creek and extends downstream to the confluence with the Potomac River.	2B	Class III, Section 7, special stds. b. DEQ monitoring station 1ALIE000.52. USGS stations 01658698 and 01658705. Greater than 25% of the samples at both USGS stations exceeded the total phosphorous screening level of 0.20 mg/L. As a result, the aquatic life use was assessed as fully supporting with an observed effect. Two sampling events at the DEQ station during the assessment period.
	Parameter(s) of Concern: - Phosphorus, Elemental			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-A26R_POW02A02	POWELLS CREEK	Segment starts at the confluence of x-trib with Powells Creek, at rivermile 12.77, and continues downstream to the beginning of Lake Montclair.	3C	Class III, Section 7, special stds. b. Citizen monitoring stations 1APOW-11-ANS and 1APOW-16-ANS. Citizen monitoring stations both find medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-A27R_BED01A00	BEAVERDAM RUN	Segment begins below Lunga Dam at Lunga Reservoir downstream to confluence of an x-trib near the start of upper arm of Smith Lake.	2B	Class III, Section 4b, special stds. PWS, b, d, NEW-6. DEQ moniitoring station 1ABED002.97 and USGS Station 01660500. A manganese sample collected in March 1999 exceeded the water quality taste & odor criteria in one of one sample.
	Parameter(s) of Concern: - Manganese			
VAN-A30E_UMC03A04	UPPER MACHODOC CREEK	The boundaries of the seasonally condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 36, Upper Machodoc Creek, Section G, effective November 1, 2002.	2B	Class II, Section 2, special stds. a. VDH Notice and Description of Shellfish Area Condemnation Number 36, Upper Machodoc Creek, Section G, effective November 1, 2002. This seasonal condemnation results in an assessment of fully supporting with an observed effect for the shellfish use. Note that this section was formerly included in Section D which was a restricted area.
	Parameter(s) of Concern: - Total Fecal Coliform			
VAP-A32R_SCA01A96	SCATES BRANCH	From monitoring station at river mile 1.39 downstream to mouth at Weavers Millpond.	2B	1ASCA001.39 (SS) 1ASCA000.53 (sed) PCB in sediment samples taken 1984, 1985. Sediment organics and water column organics both okay in 2002 Mercury in sediment in 2001
	Parameter(s) of Concern: - Mercury - Sediment Screening Value (Exceedence)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-B05R_LIG01A00	Little Isaacs Creek	HUC: 02070004	2B	AMB 1ALIG008.64 AMB 1ALIG008.74 1ALIG008.64 - More than 10.5% of TP values exceeded the screening value during the 2004 assessment cycle.
	Parameter(s) of Concern: - Phosphorus, Elemental			
VAV-B12R_MDL01A00	Middle River	HUC: 02070005	2B	AMB/BIO 1BMDL036.08 CM 1BMDL022.09 AMB 1BMDL026.58 SOS Monitoring 1BMDL-8-SOS, 1BMDL-SOS 1BMDL036.08 - EPA allowed this station to be added to Appendix B of the 1998 Consent Decree even though it fully supported the Aquatic Life Use in 1998. It had a Slightly Impaired Benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B12R_MDL02A00	Middle River	HUC: 02070005	2B	AMB/BIO 1BMDL036.08 CM 1BMDL029.46 1BMDL036.08 - EPA allowed this station to be added to Appendix B of the 1998 Consent Decree even though it fully supported the Aquatic Life Use in 1998. It had a Slightly Impaired Benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B18R_MNS01A04	Mines Run	POTOMAC/SHENANDOAH	2B	Forest Service Sites 2023 2023 - Was assessed as slightly impaired for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-B20R_SKD03A00	Skidmore Fork	02070005	2B	Forest Service Sites 2001 2001 - Was assessed as Slightly Impaired during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B32R_STH05A04	South River	02070005	2B	AMB: 1BSTH027.85 BIO: 1BSTH027.08 SOS: 2STH-SR1-SOS 1BSTH027.08 - Had a Slightly Impaired benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B38R_BIG01A00	Big Run	HUC: 02070005	2B	BIO BIG001.80 BIG001.80 - Had a Slightly Impaired Benthic Assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B39R_EHC01A00	East Hawksbill Creek	HUC: 02070005	2B	AMB: 1BHEC000.80 BIO: 1BHEC001.18 1BHEC001.18 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B42R_GER01A00	German River	HUC: 02070006	2B	Forest Service Monitoring 2040 2040 - Had a Slightly Impaired Benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-B42R_NFS01A00	North Fork Shenandoah River	HUC: 02070006	2B	FPM 1BNFS102.55 AMB/BIO 1BNFS107.86 1BNFS107.86 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B43R_GRE01A02	Gate Run	HUC: 02070006	2B	Forest Service Monitoring 2025 2025 - Had a Slightly Impaired Benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B44R_SLB01A00	Slate Lick Branch	HUC: 02070006	2B	Forest Service Monitoring 2013, 2014, 2015 2013, 2014, 2015 - Had Slightly Impaired Benthic assessments during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-B50R_NFS01A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 1BNFS010.34 - More than 10.5% of the TP values exceeded the screening value during the 2004 assessment cycle.
	Parameter(s) of Concern: - Phosphorus, Elemental			
VAV-B51R_NFS03A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 1BNFS010.34 - More than 10.5% of the TP values exceeded the standard during the 2004 assessment cycle.
	Parameter(s) of Concern:			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
	- Phosphorus, Elemental			
VAV-B51R_NFS04A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 PWS 1BNFS010.34 - More than 10.5% of the TP values exceeded the standard during the 2004 assessment cycle. **Parameter(s) of Concern:** - Phosphorus, Elemental
VAV-B51R_NFS05A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 1BNFS010.34 - More than 10.5% of the TP values exceeded the standard during the 2004 assessment cycle. **Parameter(s) of Concern:** - Phosphorus, Elemental
VAV-B51R_NFS06A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 PWS 1BNFS010.34 - More than 10.5% of the TP values exceeded the standard during the 2004 assessment cycle. **Parameter(s) of Concern:** - Phosphorus, Elemental
VAV-B51R_NFS07A00	North Fork Shenandoah River	HUC: 02070006	2B	AMB 1BNFS010.34 1BNFS010.34 - More than 10.5% of the TP values exceeded the standard during the 2004 assessment cycle. **Parameter(s) of Concern:** - Phosphorus, Elemental

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-B54R_PMR01A00	Peters Mill Run	HUC: 02070006	2B	USFS 4077 4077 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
James River Basin				
VAC-H03R_JMS05A02	Reusens Area	James River mainstem from the confluence of Widemouth Creek downstream to Reusens Dam.	2B	WQS: Class III, Section 11h, PWS Station ID: 2-JMS267.47 (2001 FT/Sed) 2-JMS270.84 (Ambient) Total Fecal Coliform - 1/9 Violation Rate Insufficient to Assess Observed Effects Total Phosphorous 3/9 Violation Rate
	Parameter(s) of Concern: - Total Phosphorus			
VAC-H03R_JMS06A02	James River Upper	James River mainstem from Holcomb Rock Dam downstream to the confluence of Widemouth Creek.	2B	WQS: Class III, Section 11h, PWS Station ID: 2-JMS267.47 (2001 FT/Sed) 2-JMS270.84 (Ambient) Total Fecal Coliform - 1/9 Violation Rate Insufficient to Assess Observed Effects Total Phosphorus 3/9 Violation Rate
	Parameter(s) of Concern: - Total Phosphorus			
VAP-G01E_ZZZ01A04	Unsegmented portion	Actual size unknown.	2B	VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G01R_CEL01A04	Cornelius Creek	Headwaters to tidal limit near James River	2B	2-CEL001.00 (FPM) VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G01R_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	NEW-18 VDH fish consumption advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G02R_ROT01A00	ROUNDABOUT CREEK	Roundabout Creek form its headwaters to the pond at river mile 2.04	2B	2-ROT003.12 (old SS) VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G02R_TIC01A00	TURKEY ISLAND CREEK	Turkey Island Creek from its headwaters to the James River.	2B	2-TIC002.69 (old SS) VDH FIsh Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G02R_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G02R_ZZZ02A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G03E_GRV01A02	Gravelly Run	Gravelly Run	2B	2-GRV000.57 (old PCB SS) 2-GRV000.01 (old PCB SS) NEW-18 PCB Fish Consumption advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03E_PTH01A00	POYTHRESS RUN	The tidal portion of Poythress Run.	2B	old PCB Special Study Station 2-PTH000.23 NEW-18 VDH Fish Consumption Advisory for kepone PCBs, chlordane, DDD, DDT, and Total DDT in sediment listed as observed effects
	Parameter(s) of Concern: - Kepone - Chlordane - DDD - DDT - Sediment Screening Value (Exceedence) - Polychlorinated biphenyls			
VAP-G03E_PWL01A02	POWELL CREEK	The estuarine portion of Powell Creek.	2B	HERMA Station C NEW-18 PCB Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G03E_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_CRT01B00	COURTHOUSE CREEK	Courthouse Creek from its headwaters to the confluence with Glebe Creek.	2B	2-CRT001.00 (1994 SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_CTC01A00	CATTAIL CREEK	Cattail Creek from its headwaters to the fall line.	2B	PCBs in sediment caused "observed effects" 1997-1999 PCB Special Study Stations NEW-18 0204208270 (USGS) VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Polychlorinated biphenyls - Sediment Screening Value (Exceedence) - Kepone			
VAP-G03R_ETR01A02	EAST RUN	The mainstem of East Run.	2B	VDH Fish Consumption Advisory for kepone 2-ETR003.00 (old SS) 2-ETR000.50 (old SS) NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G03R_GLB01A00	GLEBE CREEK	Glebe Creek from its headwaters to the mouth at Courthouse Creek.	2B	0204249510 (USGS) 2-GLB000.19 (old SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G03R_GUN01B00	GUNNS RUN	Gunns Run from an unnamed tributary at approximately river mile 3.31 to the mouth.	2B	2-GUN002.58 (1994-1997 SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_HEC01A00	HERRING CREEK	Herring Creek from Harrison Lake to the fall line.	2B	2-HEC004.92 (old SS) VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G03R_KMG01A02	KIMAGES CREEK	Kimages Creek from the headwaters to Charles Lake.	2B	2-KMG001.15 (old SS) 2-KMG003.11 (1994 SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_PHC01A00	PARISH HILL CREEK	Parish Hill Creek from its headwaters to the mouth at Courthouse Creek.	2B	2-PHC000.46 (old SS) VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			
VAP-G03R_SLM01A00	SALEM RUN	The mainstem of Salem Run.	2B	2-SLM001.23 (old SS) VDH Fish Consumption Advisory for kepone NEW-18
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G03R_WER01A00	WEST RUN	Western Run from its headwaters to the confluence with an unnamed tributary at river mile 6.35.	2B	2-WER006.35 (1994 SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_WER02A00	WEST RUN	Western Run from an unnamed tributary downstream of monitoring station 2-WER006.35 to the confluence with East Run.	2B	2-WER002.89 (old SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G03R_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	NEW-18 VDH Fish Consumption Advisory
	Parameter(s) of Concern: - Kepone			
VAP-G04E_BNG01A04	Brandon Gut	Tidal portion of Brandon Gut	2B	VDH Fish Consumption Advisory NEW 2-BNG000.12 (C2)
	Parameter(s) of Concern: - Kepone			
VAP-G04E_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G04R_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G06R_CHK03A02	CHICKAHOMINY RIVER	The Chickahominy River from river mile 43.37 to the confluence of Possum Run.	2B	2-CHK042.22 (WTSHD) 2-CHK042.37 (old) 02042470 (USGS) Analysis of a sediment sample collected in 1996 at rivermile 45.37 indicated an exceedance of the NOAA ER-M ecological screening value for polyaromatic hydrocarbons (PAHs). These are fossil fuel by-products, and some are known to cause cancer.
	Parameter(s) of Concern: - Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosyste - Sediment Screening Value (Exceedence)			
VAP-G06R_XVN01A02	UT to Toe Ink Swamp	UT to Toe Ink Swamp (prev. called Nest Branch) from its headwaters to Kent Lake.	3C	2-XVN000.85 (SS) - (follow up station) 2-WES*-CR11-ALL (citizen station) (previously called 2NES-11-ALL) The station was listed in 2002 as threatened b/c of a DO violation rate at citizen station. DEQ-PRO monitoring staff have been monitoring that station to follow up and confirm the impairment. Only 2 DEQ data points were within the 2004 cycle, however, so the station is still considered "with observed effects" until the DEQ follow up monitoring is completed.
	Parameter(s) of Concern: - Oxygen, Dissolved			
VAP-G08E_DSC01A00	DIASCUND CREEK	Diascund Creek from the Diascund Reservoir dam downstream to the mouth at the Chickahominy River.	2B	MA98-1031 2-DSC005.38 (1994 SS) NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G08E_MOC01A02	MORRIS CREEK	The tidal portion of Morris Creek.	2B	2MOC-CR8-ALL NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-G08E_YRM01A04	Yarmouth Creek	Headwaters to confluence with Little Creek	2B	2-YRM002.24 (C2) VDH Fish Consumption Advisory for kepone NEW
	Parameter(s) of Concern: - Kepone			
VAP-G08E_ZZZ01A00	UNSEGMENTED PORTION	Unsegmented portion of watershed Size does not accurately reflect size of unsegmented waters in watershed.	2B	NEW-18 VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-G08R_ZZZ01A00	UNSEGMENTED PORTION	JAMES RIVER BASIN	2B	VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-H39R_JMS01B00	JAMES RIVER	The James River from river mile 130.14 to river mile 128.14.	2B	Observed effect for cadmium in sediment collected in 1996 at 2-JMS129.14. JMS129.14 (old SS)
	Parameter(s) of Concern: - Cadmium - Sediment Screening Value (Exceedence)			
VAP-J15R_ZZZ01A00	UNSEGMENTED PORTION	HUC: 02080207	2B	Unsegmented portion of watershed VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern: - Kepone			
VAP-J15R_ZZZ02A02	UNSEGMENTED PORTION	Unsegmented portion of watershed	2B	VDH Fish Consumption Advisory for kepone
	Parameter(s) of Concern:			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
	- Kepone			
VAP-J17R_SFT01A00	SWIFT CREEK	Swift Creek from the Swift Creek Reservoir dam downstream to the confluence with Reedy Creek.	3C	2SFT-FOCRBB-ALL (CMON) 2-SFT027.38 (1994 SS)
	Parameter(s) of Concern: - Oxygen, Dissolved			
VAT-G11R_CPN01A00	Champion Swamp	Portion of lower Champion Swamp from split above Rt 654 to start of tidal. BIO sta 2-CPN004.81.	2B	2-CPN004.81 FISH CONSUMP T due KEPONE. ALUS OE due Benthic biological OE (SI).
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAT-G15E_WLY01B00	Willoughby Bay (Lower)	Located adjacent to mouth of James River at Hampton Roads, southeast of Hampton Roads Bridge Tunnel. Upper portion of bay, RM 1.41 to mouth (RM 0.0). Portion of Willoghby Bay in area of fish tissue station WLY001.37.	2B	DEQ Fish Tissue station 2001 @ WLY001.38. FISH CONSUMPTION from monitoring OE due PCB, Benzo(a),Chrysene, & PAH Observed Effects due KEPONE (VDH advisory). SHELLFISHING USE removed due DSS Administrative condemnation no. 7E.
	Parameter(s) of Concern: - Benzo(a)pyrene (PAHs) - Chrysene (C1-C4) - Polychlorinated biphenyls - Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosyste			
VAV-H09R_TYE01A00	Tye River	HUC: 02080203	2B	AMB/BIO 2-TYE020.67 2-TYE020.67 - Had a Slightly Impaired Benthic Assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-H09R_TYE02A00	Tye River	HUC: 02080203	2B	AMB/BIO 2-TYE020.67 2-TYE020.67 - Had a Slightly Impaired Benthic Assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-H16R_RKF02A00	Rockfish River	HUC: 02080203	2B	AMB 2-RKF026.42 BIO 2-RKF023.33 2-RKF023.33 - Had a Slightly Impaired Benthic assessment for the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-H24R_DYL01A00	Doyles River	HUC: 02080204	2B	USGS: 203210510 SOS: 2-DYL-1-SOS
	Parameter(s) of Concern: - pH - Total Fecal Coliform			
VAV-H27R_BLU01A04	Blue Run	02080204	2B	AMB: 2-BLU000.78 2-BLU000.78 - More than 10.5% of the TP values exceeded the screening value during the 2004 assessment cycle.
	Parameter(s) of Concern: - Phosphorus, Elemental			
VAV-H32R_CNM01A00	Cunningham Creek Middle Fork	HUC: 02080204	2B	BIO: 2-CNM002.25 SOS: 2CNM-2-SOS
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-I01R_XSE01A02	Gauley Run	HUC: 02080201	2B	USFS: 6032 6032 - Had a Slightly Impaired Benthic Assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I02R_BCC02A00	Back Creek	HUC: 02080201	2B	BIO: 2-BCC020.81 AMB: 2-BCC022.55 2-BCC020.81 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I02R_BCC03A00	Back Creek	HUC: 02080201	2B	BIO: 2-BCC020.81 AMB: 2-BCC022.55 2-BCC020.81 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I02R_XXB02A04	Back Creek X-Trib	02080201	2B	BIO: 2-XXB000.63 2-XXB000.63 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I15R_LIK01A02	Lick Run	HUC: 02080201	2B	AMB: 2-LIK000.58 AMB: 2-LIK000.79 2-LIK000.58 & 2-LIK000.79 - Had Slightly Impaired Bentic assessments based upon 1 survey each during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-I29R_JEA01A02	Jerrys Run	HUC: 02080202	2B	Forest Service Monitoring 1023
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I29R_RAM01A00	Ramseys Draft	HUC: 02080202	2B	Forest Service 1001
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I29R_RRP01A02	Ramseys Draft Right Prong	HUC: 02080202	2B	USFS: 1024
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I29R_XRJ01A02	Tims Draft Right Fork	HUC: 02080202	2B	Forest Service Monitoring 1031
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I30R_JER01A02	Jerkemtight Branch	HUC: 02080202	2B	Forest Service 1004
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I30R_STL01A02	Steel Run	HUC: 02080202	2B	Forest Service 1016
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I30R_XRM01A02	Back Draft	HUC: 02080202	2B	Forest Service 1030
	Parameter(s) of Concern:			
	- Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-I31R_BRT01A00	Brattons Run	HUC: 02080202	2B	AMB/BIO 2-BRT000.94 SOS Monitoring 2BRT-1-SOS 2-BRT000.94 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I31R_BRT02A02	Brattons Run	HUC: 02080202	2B	2-BRT000.94
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I31R_BRT03A02	Brattons Run	HUC: 02080202	2B	2-BRT000.94
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I32R_LCF02A00	Little Calfpasture River	HUC: 02080202	2B	BIO 2-LCF004.80 AMB 2-LCF007.00 2-LCF004.80 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I33R_KRR01A00	Kerrs Creek	HUC: 02080202	2B	AMB/BIO 2-KRR001.54 PWS 2-KRR001.54 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAV-I33R_KRR02A00	Kerrs Creek	HUC: 02080202	2B	AMB/BIO 2-KRR001.54 SOS Monitoring 2KRR-1-SOS 2-KRR001.54 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAV-I34R_XQO01A04	Poor Creek X-Trib	02080202	2B	AMB: 2-XQO000.02 2-XQO000.02 - Had a Slightly Impaired Benthic assessment during the 2004 assessment cycle.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-H01R_JMS01A04	James River PWS Upper	The James River from the upstream ending of the WQS PWS designation (37°30'08.38"/79°01'18.18") downstream to the mouth of Wilderness Creek.	2B	WQS Class III Sec. 11h PWS Assessment basis: DEQ station 2-JMS275.75 (AQ). The segment was 303(d) De-listed in 2002 for the 1998 303(d) FC bacteria listing former State ID VAW-H01R-01. Initial 303(d) listed in 1996 for fecal coliform bacteria. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 0202550 James River - Holcombs Rock <7Q10 of 554 cfs on 8/29/02 (440 cfs). One Fully Supporting field measurement set excluded from the dataset. 2-JMS275.75- FC six observations exceed the 400 n/100 ml WQS criterion from 58 samples. FC ranges from <100 to 4500 n/100 ml. Ten of 56 TP observations exceed the 0.20 mg/l TP SV - 'Observed Effect'. TP ranges from 0.03 to 0.30 mg/l. Full Support found for Sed, DO, Temp, pH, chlorophyll a , NH3-N/Full Support. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Total Phosphorus			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-H01R_JMS02A00	James River Lower	James River mainstem from the Georgia Pacific outfalls downstream to the upstream ending of the WQS PWS designation (37°30'08.38"/79°01'18.18")	2B	WQS Class III Sec. 11 None Assessment basis: DEQ station 2-JMS275.75 (AQ). The segment was 303(d) De-listed in 2002 for the 1998 303(d) FC bacteria listing former State ID VAW-H01R-01. Initial 303(d) listed in 1996 for fecal coliform bacteria. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 0202550 James River - Holcombs Rock <7Q10 of 554 cfs on 8/29/02 (440 cfs). One Fully Supporting field measurement set excluded from the dataset. 2-JMS275.75- FC six observations exceed the 400 n/100 ml WQS criterion from 58 samples. FC ranges from <100 to 4500 n/100 ml. Ten of 56 TP observations exceed the 0.20 mg/l TP SV - 'Observed Effect'. TP ranges from 0.03 to 0.30 mg/l. Full Support found for Sed, DO, Temp, pH, chlorophyll a , NH3-N /Full Support. No VDH fish consumption advisory. **Parameter(s) of Concern:** - Total Phosphorus
VAW-H01R_MTT01A02	Matts Creek	Matts Creek mainstem and tributaries from its confluence with the James River upstream to its headwaters.	2B	WQS Class III Sec. 11j None Assessment basis: USFS MAIS station 5525. 5525- Bio SI - Fully Supporting w/Slight Impairment; two surveys '99 (MAIS 16 Good); '98 (MAIS 16 Good). No VDH fish consumption advisory. **Parameter(s) of Concern:** - Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I08R_OGL01A00	Ogle Creek Lower	Ogle Creek from its mouth on Dunlap Creek, the watershed boundary upstream to the end of the pubic water supply (PWS) designated section.	2B	WQS Class IV Sec. 12 PWS Assessment basis: DEQ stations 2-OGL005.53 (RBPII, FPM VAEQ99-001), 2-OGL004.32 (RBPII), 2-OGL002.77 (AQ) and 2-OGL000.23 (AQ) 2-OGL005.53- (RBPII) Bio NI/Full Support; DO, Temp and pH/Full Support. 2-OGL005.53 Probalistic (FPM) Bio and single observations of FC,TP and NH3-N all indicate Full Support but are insufficient to assess. 2-OGL004.32- 2000 sediment data records an exceedance of arsenic (As) PEC SV of 33 ppm at 35.1; noted as an 'Observed Effect'. FC, DO, Temp, pH, TP, NH3-N and chlorides/Full Support. 2-OGL002.77- FC, DO, Temp, pH, TP, chlorophyll a and NH3-N/Full Support. 2-OGL000.23- FC, DO, Temp, pH, TP, chlorophyll a and NH3-N/Full Support. No VDH fish consumption or drinking water advisories.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I08R_OGL02A02	Ogle Creek Upper	Ogle Creek mainstem from the end of the WQS public water supply (PWS) section upstream to near its headwaters.	2B	WQS Class IV Sec. 12 None Assessment basis: DEQ stations 2-OGL005.53 (RBPII, FPM- VAEQ99-001), 2-OGL004.32 (RBPII), 2-OGL002.77 (AQ) and 2-OGL000.23 (AQ) 2-OGL005.53- (FPM,RBPII) Bio 'NI'; no impairment. This station was originally surveyed for the Probabilistic Monitoring program in 2001. Since it had an exceptional benthic community and a habitat (Riffle Stability Index) study being conducted at the site, it was carried-over to 2002. The fall 2001 survey was compared to Potts Creek (2-POT030.66) and BPJ was used to upgrade the RBP designation to Non-impaired due to the drought impacts to the benthic community. During the time it has been surveyed, Ogle Creek has been found to be a reference quality stream when compared to other Central Appalachian Ridge and Valley Ecoregion streams such as Craig Creek and Johns Creek. Bio NI/Full Support; DO, Temp and pH/Full Support. 2-OGL005.53 Probalistic (FPM) Bio and single observations of FC,TP and NH3-N all indicate Full Support. All but NH3-N are insufficient to assess. 2-OGL004.32- 2000 sediment data records an exceedance of aresenic (As) PEC SV of 33 ppm at 35.1; noted as an 'Observed Effect'. FC, DO, Temp, pH, TP, NH3-N and chlorides/Full Support. 2-OGL002.77- FC, DO, Temp, pH, TP, chlorophyll a and NH3-N/Full Support. 2-OGL000.23- FC, DO, Temp, pH, TP, chlorophyll a and NH3-N/Full Support. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

VAW-I11R_CSR01A02	Cast Steel Run	Cast Steel Run mainstem and tributaries from its confluence on Potts Creek upstream to its headwaters.	2B	WQS Class VI Sec 12 None Assessment basis: USFS MAIS station 3043. 3043- Bio 'SI'; slight impairment. Single Survey '98 (MAIS score 14 Good)- 'Observed Effect'. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I11R_LLB01A02	Laurel Branch PWS	Laurel Branch mainstem from its confluence with Potts Creek upstream to the end of the WQS public water supply (PWS) designation; just upstream of the Johns Run mouth.	2B	WQS Class IV Sec 12h PWS Assessment basis: USFS MAIS station 3040. 3040- Bio SI; slightly impaired. DEQ site visit and data review finds 1998 and 2001 USFS surveys impacted by drought relative to 1997 USFS surveys. 1998 USFS survey found only 15 organisms. USFS two surveys '01 (MAIS 12 Poor/Fair); '98 (MAIS 14 Good)- 'MI'. No VDH fish consumption advisory.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAW-I11R_LLB02A02	Laurel Branch	Laurel Branch mainstem from the upstream end of the WQS public water supply (PWS) designation located above the Johns Run confluence on upstream to its headwaters.	2B	WQS Class IV Sec 12 None Assessment basis: USFS MAIS station 3040. 3040- Bio SI; slightly impaired. DEQ site visit and data review finds 1998 and 2001 USFS surveys impacted by drought relative to 1997 USFS surveys. 1998 USFS survey found only 15 organisms. USFS two surveys '01 (MAIS 12 Poor/Fair); '98 (MAIS 14 Good)- 'MI'. No VDH fish consumption advisory.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAW-I19R_CRG01A02	Craig Creek Lower	Craig Creek mainstem from the confluence of Meadow Creek, the watershed boundary, upstream to an unnamed tributary downstream of Abbott and the Route 311 crossing.	2B	WQS Class IV Sec 12 None Assessment basis: DEQ station 2-CRG053.15. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***] Total field measurements 9. Daily Mean Flow; 02018000 Craig Creek - Parr < 7Q10 of 31 cfs @ gage on 8/12/02 (29 cfs). One Fully Supporting field measurement set excluded from the dataset. 2-CRG053.15- DO, Temp, pH, Chlorophyll a, NH3-N and chlorides Fully Supporting. FC exceeds the 400 cfu/100 ml WQS instantaneous criterion in one of nine samples- insufficient to assess. TP exceeds the 0.20 mg/l SV in one of nine samples with a maximum of 0.46 mg/l (8/27/01)- 'Observed Effect'. No VDH fish consumption advisory.
Parameter(s) of Concern:				

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
	- Total Phosphorus			
VAW-I21R_BLL01A02	Big Laurel Branch	Big Laurel Branch mainstem and tributaries from its confluence with Johns Creek upstream to its headwaters.	2B	WQS Class VI Sec 12 None Assessment basis: USFS MAIS station 6563. 6563- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '99 (MAIS score 13 Good) No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-I21R_POF01A02	Porterfield Branch	Porterfield Branch mainstem from its confluence with Little Oregon Creek upstream to its headwaters.	2B	WQS Class IV Sec 12 None Assessment basis: USFS MAIS station 8094. 8094- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '98 (MAIS score 13 Good) first order stream. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-I21R_PXT01A02	Paxton Branch	Paxton Branch mainstem from its confluence with Johns Creek upstream to its headwaters.	2B	WQS Class VI Sec 12 None Assessment basis: USFS MAIS station 6567. 6567- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '99 (MAIS score 14 Good). No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I21R_XTQ01A02	Snodgrass Creek, UT (XTQ)	An unnamed tributary (XTQ) to Snodgrass Creek from its confluence upstream to its headwaters.	2B	WQS Class IV Sec 12 None Assessment basis: USFS MAIS station 6550. 6550- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '98 (MAIS score 14 Good). Stream Snodgrass Br. in USFS records. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-I21R_XWE01A04	Tub Run, UT (XWE)	An unnamed tributary (XWE) from its headwaters downstream to its mouth on Tub Run (37°29'49" / 80°11'20").	2B	WQS Class IV Sec 12 None Assessment basis: USFS MAIS station 6546. Shown as an intermittent stream on USGS 7.5 minute Quad with limited drainage. No stream trace in NHD. 6546- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '98 (MAIS score 16 Good). Shown as intermittent stream on 7.5 minute Quad (first order stream). No stream trace in NHD. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I22R_CRG01A00	Craig Creek Lower	Craig Creek mainstem from its mouth on the James River upstream to the mouth of Roaring Run.	2B	WQS Class IV Sec. 12 None Assessment basis: DEQ station 2-CRG001.20 (AQ). Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 26. Daily Mean Flow; 02018000 Craig Creek - Parr < 7Q10 of 31 cfs at the gage on 8/12/02 (29 cfs). One Fully Supporting field measurement set excluded from the dataset. 2-CRG001.20- The waters Fully Support the recreational use even though two exceedances of the FC 400 cfu/100 ml WQS instantaneous criterion are found from 26 samples. Each exceedance is 1800 and 1200 cfu/100 ml. DO, Temp, pH, TP, chlorophyll a, NH3-N and chlorides all find Full Support. 2-CRG001.20- Sediment exceeds the PEC SVs for nickel (Ni) and zinc (Zn)- 'Observed Effect'. AQ Sediment exceeds Ni PEC SV (48.6 ppm) from collections made in: 2000 at 66.8; 1999 at 70.4 and 1998 at 95 ppm. An AQ 1998 Sediment exceeds Zn PEC SV (459 ppm) at 630 ppm. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I22R_CRG02A00	Craig Creek Upper	Craig Creek mainstem from the mouth of Roaring Run upstream to the mouth of Stony Run.	2B	WQS Class IV Sec. 12 None Assessment basis: DEQ station 2-CRG001.20 (AQ). Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 26. Daily Mean Flow; 02018000 Craig Creek - Parr < 7Q10 of 31 cfs at the gage on 8/12/02 (29 cfs). One Fully Supporting field measurement set excluded from the dataset. 2-CRG001.20- The waters Fully Support the recreational use even though two exceedances of the FC 400 cfu/100 ml WQS instantaneous criterion are found from 26 samples. Each exceedance is 1800 and 1200 cfu/100 ml. DO, Temp, pH, TP, chlorophyll a, NH3-N and chlorides all find Full Support. 2-CRG001.20- Sediment exceeds the PEC SVs for nickel (Ni) and zinc (Zn)- 'Observed Effect'. AQ Sediment exceeds Ni PEC SV (48.6 ppm) from collections made in: 2000 at 66.8; 1999 at 70.4 and 1998 at 95 ppm. An AQ 1998 Sediment exceeds Zn PEC SV (459 ppm) at 630 ppm. No VDH fish consumption advisory. **Parameter(s) of Concern:** - Sediment Screening Value (Exceedence)
VAW-I22R_RRB01A02	Rolands Run Branch	Rolands Run Branch mainstem from its mouth on Craig Creek upstream to its headwaters.	2B	WQS Class IV Sec 12 None Assessment basis: USFS MAIS station 6547 and 6552. 6547- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '98 (MAIS score 14 Good). 6552- Bio 'SI'; slight impairment- 'Observed Effect'. Two Surveys '01 (MAIS score 13 Good). USFS notes low water conditions in the 1998 survey with a MAIS score of 10 (Poor/Fair)- not assessed. No VDH fish consumption advisory. **Parameter(s) of Concern:** - Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-I23R_XTS01A02	Barbours Creek UT 1 (XTS)	An unnamed tributary to Barbours Creek from its confluence upstream to its headwaters. The mouth of the unnamed tributary is at 37°34'04" / 80°06'53".	2B	WQS Class VI Sec. 12 None Assessment basis: USFS MAIS stations 6518 and 6519. 6518- Bio 'SI'; slight impairment- 'Observed Effect'. Two Surveys '02 (MAIS score 16 Good); '01 (MAIS score 11 Poor/Fair). 6519- Bio 'SI'; slight impairment- 'Observed Effect'. Single Survey '01 (MAIS 15 Good). No VDH fish consumption advisory.

Parameter(s) of Concern:

- Benthic-Macroinvertebrate Bioassessments (Streams)

Rappahannock River Basin

VAN-E01R_FIR01A04	Fiery Run	Segment begins at the headwaters of Fiery Run and continues downstream to the confluence with the Rappahannock River.	2B	Class III, Section 4, special stds. q. DEQ biological monitoring stations 3-FIR002.39 and 3-FIR005.00. Citizen monitoring stations 3FIY-F4-SOS and 3FIY-F4-URWP. DEQ benthic macroinvertebrate biological monitoring finds this segment to be slightly impaired resulting in a fully supporting determination of the aquatic life with an observed effect. Citizen monitoring indicates a low probability of adverse conditions for biota with 6/6 surveys indicating acceptable ratings.

Parameter(s) of Concern:

- Benthic-Macroinvertebrate Bioassessments (Streams)

VAN-E02R_RPP02A04	Rappahannock River	Segment begins at the confluence of Barrows Run and continues downstream to the confluence of Beaverdam Run.	3C	Class III, Section 3, special stds. q. Citizen monitoring stations 3RPP-F6-SOS and 3RPP-F6-URWP. Citizen monitoring finds a medium probability of adverse conditions for biota with three surveys using the modified method. 3 Surveys (3 modified): 1/3 acceptable, 2/3 unacceptable ratings. 2 unacceptable readings during drought of 2002.

Parameter(s) of Concern:

- Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-E02R_XAC01A04	Great Run, UT	The segment begins at the headwaters of the unnamed tributary and continues downstream to the confluence with Great Run.	2B	Class III, Section 4, special stds. q. DEQ fish tissue/sediment station 3-XAC001.80 sampled in 2001. Citizen monitoring stations 3GRT-F10-URWP and 3GRT-F10-SOS. The consensus based probable effects concentration (PEC) sediment screeing values for total chlordane (17.6 ppb, dry weight) was exceeded in a sediment sample collected in July 2001. As a result, this stream segment was assessed as fully supporting with an observed effect for the Clean Water Act's Aquatic Life Use goal. Additionally, citizen monitoring finds a high probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E09R_MTN02A04	Mountain Run	Segment begins at the confluence of Jonas Run with Mountain Run and continues downstream to the confluence of Flat Run with Mountain Run.	2B	Class III, Section 4, special stds. q. Segment assessed for fish consumption use only using DEQ fish tissue/sediment stations 3-MTN005.79, 3-MTN014.33, and 3-MTN014.88. Exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue was recorded in one species of fish samples collected in 2001 at monitoring station 3-MTN005.79 and one species collected at station 3-MTN014.88 in 1999 (american eel in both cases). As a result, this segment was assessed as fully supporting the CWA's Fish Consumption Use goal with an observed effect.
	Parameter(s) of Concern: - Polychlorinated biphenyls			
VAN-E09R_MTN03A00	MOUNTAIN RUN	Segment begins at the confluence of an unnamed tributary with Mountain Run, at rivermile 19.1, and continues downstream to its confluence with Jonas Run.	2B	Class III, Section 4, special stds. q. DEQ fish tissue/sediment stations 3-MTN014.33 (2001) and 3-MTN014.88 (1999). Segment length changed from 2002 cycle to account for hydrology and land-use of the area. Exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue was recorded in one species of fish samples collected in 1999 at monitoring station 3-MTN014.88 (american eel). As a result, this segment was assessed as fully supporting the CWA's Fish Consumption Use goal with an observed effect.
	Parameter(s) of Concern: - Polychlorinated biphenyls			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-E09R_XGN01A04	Mountain Run, UT	Segment begins at the headwaters of the unnamed tributary and continues downstream to the confluence with Mountain Run. Segment does not appear on NHD layer.	3C	Class III, Section 4i, special stds. PWS, q. Citizen monitoring stations 3MTR-C15-SOS and 3MTN-C15-URWP. Correct streamcode is XGN. Citizen monitoring finds a high probability of adverse conditions for biota with 6 surveys using the modified method that all indicate unacceptable conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E13R_POL01A04	Poplar Run	Segment begins at the headwaters of Poplar Run and continues downstream to the confluence with the Rapidan River.	3C	Class III, Section 4, special stds. q. Citizen monitoring stations 3LAU*-05-SOS and 3LAU*-05-URWP. Stations are located on Poplar Run; misidentified as Laurel Run. Streamcode for Poplar Run is POL. Citizen monitoring finds a medium probability of adverse conditions for biota. Note that unacceptable ratings were determined during the 2002 drought.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E15R_GRA01A04	Great Run	Segment begins at the headwaters of Great Run and continues downstream to the confluence with the Robinson River.	3C	Class III, Section 4, special stds. q. Citizen monitoring stations 3GRT-M5-SOS and 3GRA-M5-URWP (correct streamcode is GRA). Citizen monitoring finds a medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E19R_ENG01A00	ENGLAND RUN	Segment begins at the confluence of an x-trib to England Run, at rivermile 0.54, downstream to its confluence to the Rappahannock River.	3C	Class III, Section 4b, special stds. PWS, q. Citizen monitoring stations 3ENG-123-ALL and 3ENG-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-E19R_HOR01A04	Horsepen Run	Segment begins at headwaters of Horsepen Run and continues downstream to the confluence with the Rappahannock River.	3C	Class III, Section 4d, special stds. q. Citizen monitoring station 3HOR-2-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E20R_FAL01A04	Falls Run	Segment starts at the headwaters of Falls Run and continues downstream to the confluence with the Rappahannock River.	3C	Class III, Section 4b, special stds. PWS, q. Citizen monitoring stations 3FAL-1-SOS and 3FAL-2-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E20R_LIA01A04	Little Falls Run	Segment begins at the headwaters of Little Falls Run and continues downstream to the confluence with the Rappahannock River.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring stations 3LIA-SOS and 3LIA-2-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAN-E20R_MAP01A02	MASSAPONAX CREEK	Segment begins at the outlet from Ruffins Pond and continues downstream to the confluence of Massaponax Creek with the Rappahannock River.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring station 3MAP-16-SOS. Citizen station finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-E20R_MAP03A02	MASSAPONAX CREEK	Segment begins at the confluence of x-trib to Massaponax Creek, approx. 0.25 rivermiles upstream from the Rt. 639 bridge, downstream to the confluence of x-trib to Massaponax Creek just upstream from Rt. 1.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring stations 3MAP-6-SOS and 3MAP-5.5-SOS. Citizen monitoring stations 3MAP-6-SOS and 3MAP-5.5-SOS find a medium and low probability, respectively, of adverse conditions for biota. The most recent survey conducted in this stream segment (3MAP-6-SOS) shows an unacceptable rating causing the segment to be assessed with a medium probability of adverse conditions.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAN-E20R_MAP04A02	MASSAPONAX CREEK	Segment begins at the confluence of x-trib to Massaponax Creek, approx. 1.1 rivermiles downstream from Rt. 673, downstream to the confluence of x-trib to Massaponax Creek, approx. 0.25 rivermiles upstream from Rt. 639.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring station 3MAP-4-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAN-E20R_MAP05A02	MASSAPONAX CREEK	Segment begins at the headwaters of Massaponax Creek downstream to the confluence of x-trib to Massaponax Creek, approx. 1.1 rivermiles downstream from Rt. 673.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring stations 3MAP-1-SOS and 3MAP-2-SOS. Citizen monitoring stations 3MAP-1-SOS and 3MAP-2-SOS both find a medium probability of adverse conditions for biota.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAN-E20R_XFE01A02	MASSAPONAX CREEK, UT	Segment begins at the headwaters of the unnamed tributary and continues downstream to the confluence of an unnamed tributary (rivercode XFF) at rivermile 1.19.	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring station 3MAP-9-SOS. Citizen monitoring finds a medium probability of adverse conditions for biota.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-E20R_XFF01A02	MASSAPONAX CREEK, UT	Segment begins at the confluence of an unnamed tributary, at rivermile 0.7, and continues downstream to the confluence to an unnamed tributary (rivercode XFE).	3C	Class III, Section 4, special stds. q, NEW-15. Citizen monitoring station 3MAP-7-SOS. Citizen monitoring finds medium probability of adverse conditions for biota.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAP-E26E_BRD01A00	BROAD CREEK	The boundaries are defined in VDH shellfish condemnation 038B.	2B	3-BRD000.62 (A) VDH shellfish condemnation 038B, 12/3/1993 (Use considered removed due to outfalls) Threatened in 1998 due to BPJ (6 dischargers into embayment), however there have been acceptable FC violation rates in both the 2002 and 2004 cycles, so it was dopped Observed effects: ER-M exceedance for copper and zinc on 9/5/1997 NEW-16
	Parameter(s) of Concern: - Zinc - Sediment Screening Value (Exceedence) - Copper			
VAP-E26E_BRD03A00	BROAD CREEK	The boundaries are defined in VDH shellfish condemnation 038C.	2B	VDH shellfish condemnation 038C, 12/3/1993 NEW-16 Assessment info from BRD01A00
	Parameter(s) of Concern: - Sediment Screening Value (Exceedence) - Zinc - Copper			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-E26E_BRD04A00	BROAD CREEK	Broad Creek from the downstream limit of VDH shellfish condemnation 038B to the mouth at the Rappahannock River.	2B	NEW-16 Assessment info from BRD01A00

Parameter(s) of Concern:

- Copper
- Sediment Screening Value (Exceedence)
- Zinc

Roanoke/Yadkin River Basins

VAC-L19R_LYH01A02	Lynch Creek Lower	Lynch Creek from its mouth on the Roanoke (Staunton) River upstream to Bus. 29	2B	WQS: Class IV, Section 5a, PWS Observed Effects Station IDs: 2000 Altavista/Hurt Soil & Sediment PCB SS 4ALYH000.33 Total PCB in sediment 855 4ALYH000.26 Total PCB in sediment 2909 4ALYH000.22 Total PCB in sediment 1192 1999 Sediment Only 4ALYH000.02 Total PCB in sediment 850

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

VAC-L19R_XLN01A02	Unnamed Trib to Roanoke River	An unnamed tributary to the Roanoke (Staunton) River from the railroad downstream to its confluence with the Roanoke River.	2B	WQS: Class III, Section 5a, PWS Station IDs: 4AXLN000.05 (1999 Sediment Only) 4AXLN000.25 (2000 Altavista/Hurt Soil & Sediment PCB Station) Observed Effects - Chlordane & Total PCBs Storage Tank removed.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAC-L57R_DAN02A00	Dan River Schoolfield	Dan River mainstem from the Schoolfied Dam upstream to the backwaters of the impoundment.	2B	WQS: Class III, Section 3a, PWS Station ID: 4ADAN075.22 (Ambient, 1999 FT/Sed) Total Fecal Coliform - 5/50 Violation Rate Attach. B- FC listed - delist candidate Observed Effects - Total Phosphorous 7/49 Violation Rate
	Parameter(s) of Concern: - Total Phosphorus			
VAC-L57R_DAN03A00	Dan River Middle	Dan River mainstem from the impounded backwaters of Schoolfield Dam upstream to the VA/NC State Line.	2B	WQS: Class III, Section 3a, PWS Station ID: 4ADAN075.22 (Ambient, 1999 FT/Sed) Total Fecal Coliform - 5/50 Violation Rate Attach. B- FC listed - delist candidate Observed Effects - Total Phosphorus 7/49 Violation Rate
	Parameter(s) of Concern: - Total Phosphorus			
VAC-L57R_DAN04A00	Dan River Upper	Dan River mainstem from the downstream most Virginia/North Carolina State Line (exiting Virginia) in Watershed L57R upstream to the Rt. 880 crossing (Virginia/North Carolina State Line entering Virginia).	2B	WQS: Class III, Section 3a, PWS Station ID: 4ADAN075.22 (Ambient, 1999 FT/Sed) Total Fecal Coliform - 5/50 Violation Rate Attach. B- FC listed - delist candidate Observed Effects - Total Phosphorus 7/49 Violation Rate
	Parameter(s) of Concern: - Total Phosphorus			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAC-L60R_DAN02A00	Dan River Middle	Dan River mainstem from Danville Northside POTW downstream to VA/NC State Line (exiting Virginia).	2B	WQS: Class III, Section 3, None Station ID: 4ADAN054.03 (1999 FT/Sed) Observed Effects - PCB 1 Species 4ADAN053.35 (Ambient)
	Parameter(s) of Concern: - Single Sample Toxic Exceedence			
VAC-L60R_DAN03A02	Dan River	Dan River mainstem from the confluence of Sandy Creek downstream to the Danville Northside POTW.	2B	WQS: Class III, Section 3, None Station ID: 4ADAN054.03 (1999 FT/Sed) Observed Effects - PCB 1 Species 4ADAN053.35 (Ambient)
	Parameter(s) of Concern: - Single Sample Toxic Exceedence			
VAC-L64R_LSN02A02	Lawsons Creek	Jerimy Creek to Dan River	2B	WQS: Class III, Section 2, None Station ID: 4ALSN001.04 (Ambient, 1999 & 2002 FT/Sed) Observed Effect 1999 Sum PAH & benzo(a)pyrene 1 Species
	Parameter(s) of Concern: - Single Sample Toxic Exceedence			
VAW-L03R_SNY01A02	Snyders Branch	Snyders Branch from its mouth on the Roanoke R. upstream to its headwaters.	2B	WQS Class IV Sec. 6d None Assessment basis: DEQ station 4ASNY000.01 ('02 Sed) 4ASNY000.01- A WQS 2002 sediment collection finds PEC SV exceedances of: Pyrene (SV 1520) at 1702 ppb, Chrysene (SV 1290) at 1359 ppb and Benzo-a-Pyrene (SV 1450) at 1723 ppb- 'Observed Effect'. No excursions of metals or orgaincs found.
	Parameter(s) of Concern: - Sediment Screening Value (Exceedence)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-L05R_BPA01A04	Buffalo Creek	Buffalo Creek mainstem from near its headwaters downstream to its mouth on Tinker Creek.	3C	WQS Class IV Sec. 6d None Assessment basis: Citizen stations 4ABPA-2-SOS and 4ABPA-3-SOS. 4ABPA-2-SOS- Bio 'HP'; High probability for adverse conditions. Single 2002 Modified Method survey; Unacceptable. Stream flow conditions were low at the time of the survey; 02055100 Tinker Cr. - Daleville <7Q10 of 1.2 cfs @ gage. Stream flow <7Q10 on survey collection date 6/25/02 (0.62 cfs). 4ABPA-3-SOS- Bio 'HP'; High probability for adverse conditions. Single 2001 Modified Method survey; Unacceptable. **Parameter(s) of Concern:** - Benthic-Macroinvertebrate Bioassessments (Streams)
VAW-L24R_OST02A02	Overstreet Creek Upper	Overstreet Creek mainstem from its confluence with an unnamed tributary (37°28'09" / 79°30'17") upstream to its perennial headwaters.	2B	WQS Class VI Sec. 5a PWS Assessment basis: USFS MAIS station 5575. The Elk Creek/Big Otter River Bacteria TMDL Study and allocations is complete as approved by the U.S. EPA on 02/02/2001 [Fed. ID 1498/9595]. These waters are Category 4A for bacteria. USFS 5575- Bio SI. Single spring '98 MAIS score 16; Good- 'Observed Effect'. No VDH fish consumption or drinking water advisories. **Parameter(s) of Concern:** - Benthic-Macroinvertebrate Bioassessments (Streams)
VAW-M03R_ARA01A00	Ararat River Lower	Ararat River mainstem from the VA/NC State Line upstream to the Rt. 823 crossing.	2B	WQS Class IV Sec 1 PWS Assessment basis: DEQ station 4BARA035.13 ('02 FT/Sed) 4BARA035.13- WQS 2002 fish tissue 1 species Golden Redhorse Sucker exceeds mercury (Hg) @ 0.35 ppm TSV= 0.3 ppm- 'Observed Effect'. VDH Action Level is 0.5 ppm. WQS 2002 sediment Hg OK @ 0.047 ppm; PEC SV 1.06 ppm. No VDH fish consumption or drinking water advisories. **Parameter(s) of Concern:** - Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
Chowan River and Dismal Swamp Basins				
VAC-K16R_HUR02A04	Hurricane Branch	Hurricane Branch from its confluence with unnamed tributary XBL to the Gettysburg Road crossing.	2B	WQS: Class III, Section 2, None Station ID: 5AHUR004.26 (2002 FT/Sed) Chlordane Exceedance
	Parameter(s) of Concern: - Sediment Screening Value (Exceedence)			
VAP-K09R_MHN02D00	MEHERRIN RIVER	Craney Branch to North Carolina border.	2B	5AMHN026.54 (FS) 5AMHN013.62 5AMHN018.99 5AMHN034.03 (old Sed) 5AMHN022.23 (old Sed)
	Parameter(s) of Concern: - Mercury			
VAP-K19R_HRS01A02	HARRIS SWAMP	Harris Swamp from the first tributary upstream of Little Mill Road to its mouth at the Nottoway River.	2B	5AHRS002.04 5AHRS-SOS (citizen benthic station)
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAP-K19R_NTW01A00	NOTTOWAY RIVER	Hardwood Creek to the Town of Jarrett's PWS Intake.	2B	PWS Section 5a-2e 5ANTW-A-SOS (citizen benthic station) 5ANTW-B-SOS (old citizen benthic station) 5ANTW091.75 (1996 FS) 5ANTW091.70 (2002 FS) Fish consumption fully supporting with observed effects due to arsenic in 2 species and benzo(k)fluoranthene in 1 species in 1996.
	Parameter(s) of Concern: - Mercury - Arsenic			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-K26R_TRE01B98	THREE CREEK	Slagles Lake to Otterdam Swamp.	2B	VAP-K26R-01 5ATRE032.25 (SS) 5ATRE031.85 (1994 SS) 5ATRE033.87 (1994 SS) Assessment information TRE02B98
	Parameter(s) of Concern: - Oxygen, Dissolved			
VAT-K40R_NTW02B00	Northwest River (Lower PWS)	Northwest River from mile 8.22 downstream to mile 7.49 (VA/NC state line). PWS area.	2B	DEQ STATION @ 5BNTW007.49. DELIST SEGMENT - DO 2004 data FS (2/30) < 10%
	Parameter(s) of Concern: - Arsenic - Mercury - Polycyclic Aromatic Hydrocarbons (PAHs) (Aquatic Ecosyste			
Tennessee/Big Sandy River Basins				
VAS-O01R_CRS01A02	Cressy Creek	A South Fork Holston tributary, in headwaters. Section 6, Class VI, designated natural trout waters.	2B	USFS sampled on 4/2/1998 at site #9063, MAIS score=16-Good; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-O01R_DIC01A02	Dickey Creek, upper	A South Fork Holston tributary. Section 6, Class VI, designated natural trout waters.	2B	USFS sampled at site #9058 on 5/5/1999; MAIS score=15-Good.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-O01R_HUR01A02	Hurricane Creek	A Comers Creek tributary. Section 6, Class VI, designated natural trout waters.	2B	USFS monitored on 5/5/1999 at station #9011; MAIS score was 16-Good.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-O01R_PRK01A02	Parks Creek	A Cressy Creek River tributary. Section 6, Class VI, designated natural trout waters.	2B	USFS monitored on 4/2/1998 at site #9042 on 4.2.1998; MAIS score=16-Good
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAS-O02R_BVD01A00	BEAVERDAM CREEK	Beaverdam Creek mainstem from Tennessee lline upstream to its confluence with South Fork Holston River. Section 6, Class VI, designated natural trout waters	2B	A DEQ AWQM is located at 6CBVD000.07; no impairment was detected. 11% of total phosphorus samples exceed the screening value. USGS monitoring station @ 034727000; data insufficient for assessment. SOS monitoring at 6CBVD-1-SOS; low probability of adverse conditions.
Parameter(s) of Concern: - Total Phosphorus				
VAS-O02R_DEL01A04	Dell's Branch	Big Laurel Creek tributary between Pennington Branch and Big Branch in Smyth County. Section 6, Class VI, designated natural trout waters.	2B	Segment is not in NHD. USFS sampled at site #9049 on 4/19/2000, MAIS=15; slight impairment detected.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAS-O02R_LLC01A04	Little Laurel Creek	From Whitetop Laurel Creek confluence upstream. Section 6, Class VI, designated natural trout waters.	2B	USFS monitoring station at site #9026 on 5/7/1999, MAIS=14; slight impairment detected. Citizen monitoring stations 6CLLM-SOSand 6CLLC-1-SOS indicate low probability of adverse conditions.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				
VAS-O02R_PNN01A04	Pennington Branch	From Whitetop Laurel Creek confluence upstream. Section 6, Class VI, designated natural trout waters.	2B	USFS sampled at site #9048 on 4/19/2000, MAIS=14-Good; slight impairment detected.
Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)				

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-O02R_SGT01A02	Straight Branch, upper	A Whitetop Laurel tributary.Section 6, Class IV, stockable or natural trout waters.	2B	USFS monitoring on 5/28/1998 at site #9040, MAIS=13; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-O02R_STR01A04	Star Hill Branch	From Green Cove Creek confluence upstream. Section 6, Class IV, designated natural trout waters.	2B	USFS sampled on 5/28/1998 at site #9024 for benthic macroinvertebrates; MAIS score=16-Good.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-O03R_ENI01A02	East Fork Nicks Creek	Tributary to Nicks Creek. Section 5, Class VI, designated natural trout waters.	2B	USFS monitoring in 4/2/1998 at site # 7002; slight impairment detected. In addition, citizen monitoring took place at 6CNIK-EAST-SOS; the result was low probability for adverse conditions.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-O11R_BRU01A00	Brumley Creek, upper	Mainstem and headwaters tributaries from North Fork Holston River confluence upstream. Section 1, Class VI, designated natural trout waters.	2B	Biological monitoring station 6CBRU006.73 was sampled on 6.6.2001, results for the single event indicated moderate impairment but haven't been confirmed. Additional monitoring is recommended.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P02R_IDI02A04	Indian Creek headwaters	Section 2, Class IV	2B	A DEQ biological station located at 6BIDI010.25 was sampled on 6.21.1999 and no imoairmetn was detected. However the previous sample on 12.17.0997 had indicated moderate impairment. The assessment is slightly impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P09R_LSR01B02	Little Stony Creek	Little Stony Creek tributary. Section 2, Class V, designated stockable trout waters.	2B	USFS monitoring site: 9154 sampled on 5.17.2000, MAIS=13. The segment is slightly impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-P09R_LSR01C02	Little Stony Branch	Corder Branch and Baker Branch downstream to confluence of Jack Branch. Section 2, Class V, designated stockable trout waters.	2B	Monitored at USFS site #9143 on 5.8.1998, MAIS=15; 5.9.2000, MAIS=16; 5.29.2001, MAIS=11; 5.15.2002, MAIS=17. Overall slightly impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P09R_RBF01A02	Robinson Branch	Robinson Branch is a tributary to Little Stony Creek. Section 2, Class IV.	2B	USFS monitoring site #9149 sampled on 5.17.2000, MAIS=17; 5.23.2001, MAIS=17; and 6.24.2002, MAIS=14. The segment is slightly impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P11R_BUC01A02	BURNS CREEK	Headwaters to Guest River confluence. Section 2, Class V, designated stockable trout waters.	2B	USFS sampled at site #9104 on 4.22.1998, MAIS=15; 5.3.1999, MAIS=15; 5.5.2000, MAIS=13; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P11R_JAY01A02	Jaybird Branch	Headwaters to Guest River. Section 2, Class IV.	2B	USFS monitoring at site #9118 on 5.8.1998, MAIS=14; 5.3.1999, MAIS=12; and 5.12.2000, MAIS=15. Slight impairment detected- additional monitoring is recommended.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P12R_CHI01A02	Chimney Rock Fork	Reach that confluences with Stony Creek. Section 2, Class IV.	2B	USFS sampled site #9134 on 6.18.2002 and the resulting MAIS score was 12. Since this is a single sampling effort, the station has observed effects and is not considered impaired.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-P12R_DEV01A02	Devil Fork	Devil Fork is a tributary to Straight Fork. This tributary is located on the East Stone Gap USGS Quad Map. Section 2, Class V, designated stockable trout waters.	2B	USFS monitoring site #9131 was sampled on 6.15.1998, MAIS=17 and 5.9.2000, MAIS=10. The segment is considered fully supporting with observed effects.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P12R_SNY01A00	Stony Creek	From the Chimney Rock Fork confluence downstream to the confluence with Clinch River at Fort Blackmore. Section 2 Class V, designated stockable trout waters.	2B	A biological monitoring station has been located at 6BSNY000.23 since 1995, sampled twice in 1998 and twice in 1999, the stream is slightly impaired. A DEQ AWQM station was located at 6BSNY001.98; no impairment was detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P12R_SNY01A04	Stony Creek	From Coalpit Branch to ChimneyRock Fork. Section 2, Class V, designated stockable trout waters.	2B	A DEQ biological monitoring station is located at 6BSNY005.68; results indicate slight impairment.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P12R_SNY02A00	Stony Creek	From the headwaters downstream to the Chimney Rock Fork confluence. Section 2 Class V, designated stockable trout waters.	2B	USFS monitoring in upper end of segment at site number 9115 on 5.4.99, 5.11.98, 5.24.2002, 5.17.2000, 5.18.2001; no impairment detected. USFS site # 9151 was sampled on 5.25.1999, MAIS=11. USFS monitored at site # 9152 on 5.15.2002, MAIS=17; 5.17.2000, MAIS=18; and 5.29.1999, MAIS=18. USFS monitored at site #9135 on 6.18.2002, MAIS=14 and #9136 on 6.18.2002, MAIS=17.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P13R_COV01A02	Cove Creek	Cove Creek from its confluence with Millstone Branch to headwaters. Section 2, Class V, designated stockable trout waters.	2B	USFS sampling at site #9103 on 4.11.98, MAIS=18-Good, and 5.8.2000, MAIS=12-Poor/Fair; results are inconclusive.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-P13R_DRY01A02	Dry Creek	Headwaters to Cove Creek confluence. Section 2, Class IV.	2B	Monitored by USFS at site 9130 on 5.11.1998, MAIS=16-Good
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P20R_PAY01A02	Payne Branch	North Fork Powell tributary. Section 1, Class IV.	2B	Monitored at USFS site 9121 on 5.5.1998, MAIS=16-Good
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P22R_WAL01A00	Wallen Creek	Mainstem from confluence of Lone Branch downstream to the comfluence with Powell River. Section 1, Class V, designated stockable trout waters.	2B	A biological monitoring station was located at 6BWAL001.57 in 1995; Results have been erratic. The last two samples collected in 1999, and 2000 indicated slight impairment. USGS station 03531518; data insufficient for assessment purposes. Additional studies are recommended to determine sources.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P23R_MTN01A00	MARTIN CREEK	Mainstem and headwaters not otherwise designated. Section 1, Class V, designated stockable trout waters.	2B	Biological monitoring at 6BMTN003.56 since 1995, results have been erratic. The most recent sample collection was 6/18/2000 and results indicated slight impairment.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-P24R_IND01A00	INDIAN CREEK	Mainstem from the confluence of Machine Branch downstream to the Tennessee political boundary. Section 1, Class IV.	2B	Biological monitoring station at 6BIND010.25 since 1995; results indicate slight impairment.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

Chesapeake Bay/Atlantic/Small Coastal Basins

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-C03E_JCK01C98	JACKSON CREEK	As described in the condemnation notice. Size reduced in 2004 cycle.	2B	VDH-DSS SFC Notice 84C, 11/1/2001 Seasonally condemned, so fully supporting with observed effects NEW-20
	Parameter(s) of Concern: - Total Fecal Coliform			
VAP-C04E_EDW02A98	EDWARDS CREEK	Described in the condemnation notice.	2B	VAP-C04E-04 VDH-DSS SFC Number 197C, 2/1/2001 Seasonally condemned, so fully supporting with observed effects 7-EDW000.23 (TE,FC) NEW-20 Assessment information from MLF03A00
	Parameter(s) of Concern: - Total Fecal Coliform - Arsenic			
VAP-C04E_MJB02A02	MOBJACK BAY	The portion of Mobjack Bay within this watershed.	2B	NEW-20 7-MJB008.06 (old TE) Old MAIA stations: 97-0063,97-0065,97-0066,97-0067,97-0068,97-0070, 98-0067 Chesapeake Bay random benthic station: 04M09 (old) (MA97-0955) MOBPHa is insufficient Fish consumption fully supporting with observed effects due to arsenic in flounder at MA 97/98-0067 and MA98-0959
	Parameter(s) of Concern: - Arsenic			
VAP-C04E_MLF02A98	MILFORD HAVEN	Described in the condemnation notice.	2B	VDH-DSS SFC Number 99E, 2/1/2001 prohibited area around outfall Shellfish use removed. Assessment information MIL03A00
	Parameter(s) of Concern: - Arsenic			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAP-C05E_MJB01A04	Mobjack Bay	Mainstem portion of Mobjack Bay within the watershed. Excludes small tribs	2B	Portion of Mobjack Bay MOBPHa B-IBI segment (insufficient data) MA98-0067 Arsenic in flounder, so fully supporting with observed effects
	Parameter(s) of Concern: - Arsenic			
VAP-C06E_MJB01A02	MOBJACK BAY	The western portion of Mobjack Bay from Tow Stake Point downstream to the confluence with the York River at Hog Island.	2B	WE4.1 (CB) NEW-20 Chesapeake Bay random benthic study stations: 07M11, old 03Y01, old 03Y02, 04M07 (MA98-0959) old MA97-0061, old MA97-0062, old MA97-0064, 09M07 MBOPHa is insufficient Arsenic in flounder at MAIA stations MA98-0959 and old MAIA station 97/98-0067 so fish consumption is fully supporting but threatened
	Parameter(s) of Concern: - Arsenic			
York River Basin				
VAN-F01R_SAR01A02	SOUTH ANNA RIVER	Segment starts at the confluence of Dove Fork to the South Anna River downstream to the mouth of waterbody F01, at the confluence of Wheeler Creek to the South Anna River.	3C	Class III, Section 3, no special stds. DEQ monitoring stations 8-SAR078.56 (correct rivermile = 91.64) and 8-SAR096.83. Citizen Monitoring Stations 8SAR-SR1A-MPRA, 8SAR-SR1B-MPRA, 8SAR-F01A-HGSI, 8SAR-F01B-HGSI. Three of 7 samples exceeded the phosphorus screening value at 8SAR-SR1A-MPRA. 1 of 7 samples exceeded the phosphorus screening value at 8SAR-SR1B-MPRA.
	Parameter(s) of Concern: - Phosphorus, Elemental			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAN-F07L_NAR03A02	LAKE ANNA	Segment includes the upper portion North Anna River portion of Lake Anna beginning at the start of the inundated waters of the North Anna River downstream to the Rt. 208 bridge.	3C	Class III, Section 3, no special stds. Citizen monitoring stations 8NAR-35-LACA, 8NAR-12-LACA, 8PGN-7-LACA, and 8NAR-6-LACA (in order from upstream to downstream). This segment has been split since the 2002 cycle to account for additional monitoring in Lake Anna. Three of 9 samples (33.3%) exceeded the total phosphorus screening value of 0.05 mg/L at station 8NAR-12-LACA.
	Parameter(s) of Concern: - Phosphorus, Elemental			
VAN-F07L_PMC01A04	Lake Anna/Pamunkey Creek	Segment includes the Pamunkey Creek arm of Lake Anna beginning at the confluence of the Terrys Run arm of the lake and continuing downstream to the confluence with the North Anna River at The Splits. Segment size is estimated.	3C	Class III, Section 3, no special stds. Citizen monitoring station 8PMC-8-LACA. This segment was included in VAN-F07L_NAR03A02 last cycle. Two of 8 samples exceeded the total phosphorus screening value of 0.05 mg/L.
	Parameter(s) of Concern: - Phosphorus, Elemental			
VAN-F07L_TRY01A04	Terrys Run/Lake Anna	Segment includes the Terrys Run arm of Lake Anna.	3C	Class III, Section 3, no special stds. Citizen monitoring stations 8TRY-37-LACA and 8TRY-10-LACA (in order from upstream to downstream). This segment was included in VAN-F07L_NAR03A02 last cycle. Three of eight samples exceeded the total phosphorus screening value of 0.05 mg/L at station 8TRY-10-LACA. One of one sample exceeded the screening value at station 8TRY-37-LACA.
	Parameter(s) of Concern: - Phosphorus, Elemental			

New River Basin

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAS-N03R_OPM01A02	Opossum Creek	From Fox Creek confluence upstream. Section 2, Class VI, designated natural trout waters.	2B	Sampled by USFS at site #9014 on 5/5/1999, MAIS=15-Good; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-N08R_PMB01A00	Powder Mill Creek	Section 2, Class IV	2B	USFS sampled on 5/27/1999 at site #9079, MAIS=16-Good; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-N09R_DEF01A02	East Fork Dry Run	Headwaters to the confluence with West Fork Fry Run. Section 2, Class VI, designated natural trout waters.	2B	Monitored by USFS on 4/13/2000 at site #9003, MAIS=16-Good; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAS-N09R_DWF01A02	West Fork Dry Run	Headwaters to the confluence with East Fork Fry Run. Section 2, Class VI, designated natural trout waters.	2B	USFS sampled at site #9068 on 4/13/2000, MAIS=15-Good; slight impairment detected.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N17R_PKC03A00	Peak Creek Middle 2	This portion of Peak Creek extends from the Magnox, Inc. outfall on down ~0.20 miles downstream of the Washington Ave. Bridge.	2B	WQS Class IV Sec. 2 v,NEW-5 Assessment basis: DEQ station 9-PKC011.11 (AQ, RBPII). Both Benthic and Bacteria TMDL Studies are underway with anticipated completion in Spring 2004. 9-PKC011.11- Bio 'NI; no impairment. RBP II 5 year score 76.44; 2 year score 100. Both 1999 and spring 2000 surveys were poor relative to reference conditions; however, rainfall in the watershed was much lower than normal and the reference at that time (Sinking Creek, 9-SNK012.06), is a stream that does not appear to be very susceptible to drought. In 2002, the reference site for the three Peak Creek Biomonitoring stations was changed to 9-PKC011.11 since this station has been determined to be minimally impacted relative to the two downstream sites. Instream habitat scores are mostly in the optimal range. Riparian vegetation is impacted with narrow buffers immediately upstream as a result of residential land use. 9-PKC011.11- No excursions are found for DO, Temp, pH, TP or NH3-N. One FC observation exceeds the WQS 400 cfu/100 ml instantaneous criterion at 600 from 17 samples- Fully Supporting. AQ sediment exceedances of PEC SVs for lead (Pb) SV of 128 ppm, zinc (Zn) SV of 459 ppm, DDD SV of 28 ppb and DDE SV 31.3 ppb: Metals- 1999 Pb at 420 and Zn at 1520 ppm, 1998 Pb at 220 and Zn at 1080 ppm; Organics- 1999 DDD at 30 and DDE at 40 ppb- 'Observed Effect'. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N17R_PKC04A00	Peak Creek Upper	The segment extends from the mouth of Hogan Creek downstream to just above the Magnox. Inc. outfall on Peak Creek.	2B	WQS Class IV Sec. 2 v,NEW-5 Assessment basis: DEQ station 9-PKC011.11 (AQ, RBPII). Both Benthic and Bacteria TMDL Studies are underway with anticipated completion in Spring 2004. 9-PKC011.11- Bio 'NI; no impairment. RBP II 5 year score 76.44; 2 year score 100. Both 1999 and spring 2000 surveys were poor relative to reference conditions; however, rainfall in the watershed was much lower than normal and the reference at that time (Sinking Creek, 9-SNK012.06), is a stream that does not appear to be very susceptible to drought. In 2002, the reference site for the three Peak Creek Biomonitoring stations was changed to 9-PKC011.11 since this station has been determined to be minimally impacted relative to the two downstream sites. Instream habitat scores are mostly in the optimal range. Riparian vegetation is impacted with narrow buffers immediately upstream as a result of residential land use. 9-PKC011.11- No excursions are found for DO, Temp, pH, TP or NH3-N. One FC observation exceeds the WQS 400 cfu/100 ml instantaneous criterion at 600 from 17 samples- Fully Supporting. AQ sediment exceedances of PEC SVs for lead (Pb) SV of 128 ppm, zinc (Zn) SV of 459 ppm, DDD SV of 28 ppb and DDE SV 31.3 ppb: Metals- 1999 Pb at 420 and Zn at 1520 ppm, 1998 Pb at 220 and Zn at 1080 ppm; Organics- 1999 DDD at 30 and DDE at 40 ppb- 'Observed Effect'. No VDH fish consumption advisory. **Parameter(s) of Concern:** - Sediment Screening Value (Exceedence)
VAW-N17R_PLK01A04	Pondlick Branch	Pondlick Branch from its headwaters downstream to its mouth on Peak Creek.	2B	WQS Class IV Sec. 2 v,NEW-5 Assessment basis: USFS MAIS stations 8092 and 8093 8092- Bio 'SI'; slight impairment. Single Survey '01 (MAIS score 15 Good). 8093- Bio 'SI'; slight impairment. Single Survey '01 (MAIS score 16 Good). **Parameter(s) of Concern:** - Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N18R_NEW01A00	New River Lower	New River mainstem from the Watershed boundary, Crab Creek mouth, upstream to approximatley one mile downstream of the Rt. 11 Bridge; end of the WQS public water supply (PWS) section.	2B	WQS Class IV Sec 2a PWS,v Assessment basis: DEQ stations 9-NEW085.94 ('01 FT/Sed), 9-NEW081.72 (AQ) and 9-NEW079.19 ('01 & '00 FT/Sed). 1998 Attach. B- FC Full Support no impaired listing in 2002. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 03171000 - New R. - Radford <7Q10 of 912 cfs @ gage on 10/25/01 (898 cfs), 8/20/02 (822 cfs) and 9/19/02 (889 cfs). Three Fully Supporting field measurement sets are excluded from the dataset. 9-NEW085.94- WQS 2001 Fish Tissue exceedance of PCB SV of 54 ppb in one Carp at 856 and single exceedance of Heptachlor epoxide PEC SV of 10 @ 19 ppb (same fish)- 'Observed Effect'. Remaining four Carp analized below 54 ppb. Total of 38 fish including Carp, Largemouth Bass, Bluegill, Gizzard Shad and White Sucker all Fully Support. Anticipate return tissue sampling in 2004. 9-NEW081.72- FC, DO, Temp, pH, TP, chlorophyll a, water column metals and organics all Fully Support. An AQ 2000 sediment exceedance is found for zinc (Zn) PEC SV of 459 ppm at 500- 'Observed Effect'. 9-NEW079.19- WQS fish tissue and sediment collections in 2000 and 2001 find no exceedances of WQS tissue SVs or sediment PEC SVs. No VDH fish consumption or drinking water advisories.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)
- Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N18R_NEW02A00	New River Middle	New River mainstem from approximately one mile downstream of the Rt. 11 Bridge upstream to the Radford City intake.	2B	WQS Class IV Sec 2 v Assessment basis: DEQ stations 9-NEW085.94 ('01 FT/Sed), 9-NEW081.72 (AQ) and 9-NEW079.19 ('01 & '00 FT/Sed). 1998 Attach. B- FC Full Support no impaired listing in 2002. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 03171000 - New R. - Radford <7Q10 of 912 cfs @ gage on 10/25/01 (898 cfs), 8/20/02 (822 cfs) and 9/19/02 (889 cfs). Three Fully Supporting field measurement sets are excluded from the dataset. 9-NEW085.94- WQS 2001 Fish Tissue exceedance of PCB SV of 54 ppb in one Carp at 856 and single exceedance of Heptachlor epoxide PEC SV of 10 @ 19 ppb (same fish)- 'Observed Effect'. Remaining four Carp analyzed below 54 ppb. Total of 38 fish including Carp, Largemouth Bass, Bluegill, Gizzard Shad and White Sucker all Fully Support. Anticipate return tissue sampling in 2004. 9-NEW081.72- FC, DO, Temp, pH, TP, chlorophyll a, water column metals and organics all Fully Support. An AQ 2000 sediment exceedance is found for zinc (Zn) PEC SV of 459 ppm at 500- 'Observed Effect'. 9-NEW079.19- WQS fish tissue and sediment collections in 2000 and 2001 find no exceedances of WQS tissue SVs or sediment PEC SVs. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence
- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N18R_NEW03A00	New River Upper 1	New River mainstem from the City of Radford water intake upstream to the confluence of Little River.	2B	WQS Class IV Sec 2b PWS,v Assessment basis: DEQ stations 9-NEW085.94 ('01 FT/Sed), 9-NEW081.72 (AQ) and 9-NEW079.19 ('01 & '00 FT/Sed). 1998 Attach. B- FC Full Support no impaired listing in 2002. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 03171000 - New R. - Radford <7Q10 of 912 cfs @ gage on 10/25/01 (898 cfs), 8/20/02 (822 cfs) and 9/19/02 (889 cfs). Three Fully Supporting field measurement sets are excluded from the dataset. 9-NEW085.94- WQS 2001 Fish Tissue exceedance of PCB SV of 54 ppb in one Carp at 856. And single exceedance of Heptachlor epoxide PEC SV of 10 @ 19 ppb (same fish)- 'Observed Effect'. Remaining four Carp analyzed below 54 ppb. Total of 38 fish including Carp, Largemouth Bass, Bluegill, Gizzard Shad and White Sucker all Fully Support. Anticipate return tissue sampling in 2004. 9-NEW081.72- FC, DO, Temp, pH, TP, chlorophyll a, water column metals and organics all Fully Support. An AQ 2000 sediment exceedance is found for zinc (Zn) PEC SV of 459 ppm at 500- 'Observed Effect'. 9-NEW079.19- WQS fish tissue and sediment collections in 2000 and 2001 find no exceedances of WQS tissue SVs or sediment PEC SVs. No VDH fish consumption or drinking water advisories.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence
- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N18R_NEW04A00	New River Claytor Dam	New River mainstem waters from the mouth of Little River upstream to Claytor Dam.	2B	WQS Class IV Sec 2b PWS,v Assessment basis: DEQ stations 9-NEW085.94 ('01 FT/Sed), 9-NEW081.72 (AQ) and 9-NEW079.19 ('01 & '00 FT/Sed). 1998 Attach. B- FC Full Support no impaired listing in 2002. Stream Flow Conditions [9 VAC 25-260-50 Numerical criteria for dissolved oxygen, pH and maximum temperature***]. Total field measurements 59. Daily Mean Flow; 03171000 - New R. - Radford <7Q10 of 912 cfs @ gage on 10/25/01 (898 cfs), 8/20/02 (822 cfs) and 9/19/02 (889 cfs). Three Fully Supporting field measurement sets are excluded from the dataset. 9-NEW085.94- WQS 2001 Fish Tissue exceedance of PCB SV of 54 ppb in one Carp at 856. And single exceedance of Heptachlor epoxide PEC SV of 10 @ 19 ppb (same fish)- 'Observed Effect'. Remaining four Carp analyzed below 54 ppb. Total of 38 fish including Carp, Largemouth Bass, Bluegill, Gizzard Shad and White Sucker all Fully Support. Anticipate return tissue sampling in 2004. 9-NEW081.72- FC, DO, Temp, pH, TP, chlorophyll a, water column metals and organics all Fully Support. An AQ 2000 sediment exceedance is found for zinc (Zn) PEC SV of 459 ppm at 500- 'Observed Effect'. 9-NEW079.19- WQS fish tissue and sediment collections in 2000 and 2001 find no exceedances of WQS tissue SVs or sediment PEC SVs. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)
- Single Sample Toxic Exceedence

VAW-N22R_PTY02A00	Poverty Creek Upper	Poverty Creek mainstem from its headwaters downstream to the confluence of Straley Branch.	2B	WQS Class V Sec. 2 v Assessment basis: USFS MAIS station 8115. 8115- Bio 'SI'; slight impairment. Single Survey '99 MAIS score 13 Good. No VDH fish consumption Adv/EVAL.

Parameter(s) of Concern:

- Benthic-Macroinvertebrate Bioassessments (Streams)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N25R_WLK01A00	Walker Creek Lower	Walker Creek mainstem waters from its mouth on the New River upstream to the Cecil Branch confluence at the Rt. 100 crossing.	2B	WQS Class IV Sec. 1 u Assessment basis: DEQ station 9-WLK004.34 (AQ) and Citizen stations 9WLK-SOS & 9WLK-RWR1-SOS. 9-WLK004.34- FC, DO, Temp, pH, Temp, TP, chlorophyll a and NH3-N all Fully Supoort. Two FC excursions of the 400 cfu/100 ml instantaneous criterion are found at 600 and 2100 from 36 observations. A 1998 AQ sediment collection found no excursions of the PEC SVs. However a 2000 AQ sediment collection reports an exceedance of PCB at 880 ppb (PEC SV 676 ppb)- 'Observed Effect'. 9WLK-SOS- Bio 'LP'; Low probability for adverse conditions. Two Traditional Method surveys; both Excellent. 9WLK-RWR1-SOS- Bio 'LP'; Low probability for adverse conditions. Two Traditional Method surveys; both Excellent. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

VAW-N25R_WLK02A00	Walker Creek Lower 1	Walker Creek mainstem waters from the Cecil Branch confluence at the Rt. 100 crossing upstream to Little Walker Creek's confluence with Walker Creek.	2B	WQS Class IV Sec. 1 u Assessment basis: DEQ station 9-WLK004.34 (AQ) and Citizen stations 9WLK-SOS & 9WLK-RWR1-SOS. 9-WLK004.34- FC, DO, Temp, pH, Temp, TP, chlorophyll a and NH3-N all Fully Supoort. Two FC excursions of the 400 cfu/100 ml instantaneous criterion are found at 600 and 2100 from 36 observations. A 1998 AQ sediment collection found no excursions of the PEC SVs. However a 2000 AQ sediment collection reports an exceedance of PCB at 880 ppb (PEC SV 676 ppb)- 'Observed Effect'. 9WLK-SOS- Bio 'LP'; Low probability for adverse conditions. Two Traditional Method surveys; both Excellent. 9WLK-RWR1-SOS- Bio 'LP'; Low probability for adverse conditions. Two Traditional Method surveys; both Excellent. No VDH fish consumption advisory.

Parameter(s) of Concern:

- Sediment Screening Value (Exceedence)

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_ISB01A02	Iron Springs Branch	Iron Springs Branch mainstem and tributaries from its confluence with Laurel Branch upstream to its headwaters.	2B	WQS Class IV Sec. 1 u Assessment basis: USFS MAIS station 8114. 8114- Bio 'SI'; slight impairment. Single Survey '99 MAIS score 16 Good- 'Observed Effect'. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-N28R_KMB01A02	Kimballton Branch	Kimballton Branch mainstem from its confluence with Stony Creek upstream to its headwaters.	2B	WQS Class IV Sec. 1 u Assessment basis: USFS station 8083. 8083- Bio 'NI'; not impaired. Single Survey '98 MAIS score 18 Very Good. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-N28R_LLB01A04	Laurel Branch	Laurel Branch mainstem from its mouth on Stony Creek upstream to its headwaters.	2B	WQS Class VI Sec. 1d u Assessment basis: USFS MAIS station 8105. 8105- Bio 'SI'; slightly impaired. Single Survey '99 MAIS score 15 Good- 'Observed Effect'. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_SNC01A00	Stony Creek Lower 1	Stony Creek mainstem waters from its mouth on the New River upstream to Chemical Lime Company's outfall on Stony Creek.	2B	WQS Class V Sec. 1d u Assessment basis: DEQ station 9-SNC000.20 (AQ, RBPII, '00 FT/Sed) 9-SNC000.20- Bio 'NI'; not impaired. RBP II 5 year scores Spring -69.08; Fall-74.28 2000 Spring and Fall scores 83.33 each. 1999 scores Spring 50; Fall 65.22. This reach is periodically dewatered in the fall, resulting in a benthic community that can tolerate such conditions. When flows are available to sample in the fall, the community consists of sensitive organisms dominated by mayfly and stonefly families. Overall, the rating is Non-impaired. The stream is believed to become naturally dewatered (subterranean flow) during low rainfall periods and was not sampled in the fall of 1998 due to extremely low flow. Thus, the low scores in 1999 are a result of dewatering and drought conditions and this site should not be considered impaired due to these natural causes. Otherwise, habitat and water quality appears to be suitable for pollution sensitive macroinvertebrates. 9-SNC000.20- WQS 2000 FT exceeds [Table 6(a)] PCB (TV 54 ppb) in one species; Brown Trout at 318 ppb- 'Observed Effect'. VDH Level of concern 600 ppb. WQS 2000 Sediment no exceedances of PEC SVs. 9-SNC000.20- FC, DO, pH, Temp, TP and NH3-N all Fully Support. One excursion of the FC WQS instantaneous criterion (400 cfu/100 ml) is found from 16 observations. The exceeding value is 1300 cfu/100 ml No VDH fish consumption advisory.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_SNC02A00	Stony Creek Lower 2	Stony Creek mainstem waters from the Chemical Lime Company outfall on Stony Creek upstream to the Kimballton Branch confluence on Stony Creek.	2B	WQS Class V Sec. 1d u Assessment basis: DEQ station 9-SNC002.88 (RBPII) and 9-SNC000.20 (AQ, RBPII, '00 FT/Sed) 9-SNC002.88- Bio 'NI'; not impaired. RBP II 5 year Spring score 87.07; Fall 65.11. 2000 Spring score 83.33 and Fall 66.67. Spring samples appear to have the better benthic community and have been dominated by mayfly families. The caddisfly family, Hydropsychidae dominated all fall samples, making up as much as 76% of the total sample at times. The metric %Scrapers is usually lower in the fall and has an impact on the overall assessment. A narrow riparian buffer between the stream and Rt. 635 is noted. Numerous residences along the stream between the National Forest boundary and this station possibly contribute to some form of NPS pollution. Drought conditions impacted the sample in fall 1998 and seasonal differences in the community appear to have an impact on the metric scores and overall assessment. Do, Temp and pH Fully Support. 9-SNC000.20- Bio 'NI'; not impaired. RBP II 5 year scores Spring -69.08; Fall-74.28 2000 Spring and Fall scores 83.33 each. 1999 scores Spring 50; Fall 65.22. This reach is periodically dewatered in the fall, resulting in a benthic community that can tolerate such conditions. When flows are available to sample in the fall, the community consists of sensitive organisms dominated by mayfly and stonefly families. Overall, the rating is Non-impaired. The stream is believed to become naturally dewatered (subterranean flow) during low rainfall periods and was not sampled in the fall of 1998 due to extremely low flow. Thus, the low scores in 1999 are a result of dewatering and drought conditions and this site should not be considered impaired due to these natural causes. Otherwise, habitat and water quality appears to be suitable for pollution sensitive macroinvertebrates. 9-SNC000.20- WQS 2000 FT exceeds [Table 6(a)] PCB (TV 54 ppb) in one species; Brown Trout at 318 ppb- 'Observed Effect'. VDH Level of concern 600 ppb. WQS 2000 Sediment no exceedances of PEC SVs. 9-SNC000.20- FC, DO, pH, Temp, TP and NH3-N all Fully Support. One excursion of the FC WQS instantaneous criterion (400 cfu/100 ml) is found from 16 observations. The exceeding value is 1300 cfu/100 ml No VDH fish consumption advisory.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_SNC03A00	Stony Creek Middle 1	Stony Creek mainstem waters from the confluence of Kimballton Branch upstream to the mouth of Laurel Branch.	2B	WQS Class V Sec. 1d u Assessment basis: DEQ station 9-SNC002.88 (RBPII) and 9-SNC000.20 (AQ, RBPII, '00 FT/Sed) 9-SNC002.88- Bio 'NI'; not impaired. RBP II 5 year Spring score 87.07; Fall 65.11. 2000 Spring score 83.33 and Fall 66.67. Spring samples appear to have the better benthic community and have been dominated by mayfly families. The caddisfly family, Hydropsychidae dominated all fall samples, making up as much as 76% of the total sample at times. The metric %Scrapers is usually lower in the fall and has an impact on the overall assessment. A narrow riparian buffer between the stream and Rt. 635 is noted. Numerous residences along the stream between the National Forest boundary and this station possibly contribute to some form of NPS pollution. Drought conditions impacted the sample in fall 1998 and seasonal differences in the community appear to have an impact on the metric scores and overall assessment. Do, Temp and pH Fully Support. 9-SNC000.20- WQS 2000 FT exceeds [Table 6(a)] PCB (TV 54 ppb) in one species; Brown Trout at 318 ppb- 'Observed Effect'. VDH Level of concern 600 ppb. WQS 2000 Sediment no exceedances of PEC SVs. 9-SNC000.20- FC, DO, pH, Temp, TP and NH3-N all Fully Support. One excursion of the FC WQS instantaneous criterion (400 cfu/100 ml) is found from 16 observations. The exceeding value is 1300 cfu/100 ml No VDH fish consumption advisory.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_SNC04A00	Stony Creek Middle 2	Stony Creek mainstem from the confluence of Laurel Branch upstream to the mouth of Pine Swamp Branch.	2B	WQS Class V Sec. 1d u Assessment basis: DEQ station 9-SNC005.04 (RBPII), 9-SNC002.88 (RBPII) and 9-SNC000.20 (RBPII, '00 FT/Sed) 9-SNC005.04- Bio NI; not impaired. RBP II 5 year Spring score 97.10; Fall 98.48. 2000 Spring and Fall scores are each 100. This station was used as the reference site for all Stony Creek stations during 1999 and 2000. Prior to this period, Sinking Creek (9-SNK012.06) was the ecoregion reference site. When assessed against Sinking Creek for the same period, this station scored high (range 91.30 – 104.35). Thus, it was regarded as a suitable reference station. DO, Temp and pH all Fully Support. 9-SNC002.88- Bio 'NI'; not impaired. RBP II 5 year Spring score 87.07; Fall 65.11. 2000 Spring score 83.33 and Fall 66.67. Spring samples appear to have the better benthic community and have been dominated by mayfly families. The caddisfly family, Hydropsychidae dominated all fall samples, making up as much as 76% of the total sample at times. The metric %Scrapers is usually lower in the fall and has an impact on the overall assessment. A narrow riparian buffer between the stream and Rt. 635 is noted. Numerous residences along the stream between the National Forest boundary and this station possibly contribute to some form of NPS pollution. Drought conditions impacted the sample in fall 1998 and seasonal differences in the community appear to have an impact on the metric scores and overall assessment. Do, Temp and pH Fully Support. 9-SNC000.20- WQS 2000 FT exceeds [Table 6(a)] PCB (TV 54 ppb) in one species; Brown Trout at 318 ppb- 'Observed Effect'. VDH Level of concern 600 ppb. WQS 2000 Sediment no exceedances of PEC SVs. 9-SNC000.20- FC, DO, pH, Temp, TP and NH3-N all Fully Support. One excursion of the FC WQS instantaneous criterion (400 cfu/100 ml) is found from 16 observations. The exceeding value is 1300 cfu/100 ml No VDH fish consumption advisory.

Parameter(s) of Concern:

- Single Sample Toxic Exceedence

List of Waters of Concern (Categories 2B and 3C)

Waterbody Segment ID	Segment Name	Location	Category	Segment Comments
VAW-N28R_SNC05A00	Stony Creek Upper	Stony Creek mainstem from the mouth of Pine Swamp Branch upstream to the confluence of an unnamed tributary (XDV).	2B	WQS Class V Sec. 1d u Assessment basis: USFS MAIS stations 8127, 8128 and 8129 8127- Bio 'NI'; not impaired. USFS Two Surveys '01 MAIS score 16 Good; '00 MAIS score 17 Very Good = 'SI'. DEQ survey of same site found a good community for a headwater stream. Dominated by sensitive organisms. 1998 and 2001 USFS surveys appear to be impacted by drought. Only 12 organisms in 2001 sample. 8128- Bio 'SI'; slightly impaired. Two Surveys '01 MAIS score 15 Good; '00 MAIS score 14 Good- 'Observed Effect'. 8129- Bio 'SI'; slightly impaired. Single Survey '00 MAIS score 16 Good- 'Observed Effect'. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-N28R_XDU01A04	White Rock Branch, UT (XDU)	An unnamed tributary to White Rock Branch (XDU) from its headwaters to its mouth located at 37°25'57"/80°30'45" on White Rock Branch.	2B	WQS Class VI 1d u Assessment basis: USFS MAIS station 8017. 8017- Bio 'SI'; slightly impaired. Single Survey '98 MAIS score 15 Good- 'Observed Effect'. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			
VAW-N29R_CRV01A02	Curve Branch	Curve Branch mainstem from its confluence on the New River upstream to its headwaters.	2B	WQS Class IV Sec. 1 u Assessment basis: USFS MAIS station 8104. 8104- Bio 'SI'; slightly impaired. Single Survey '99 MAIS score 14 Good- 'Observed Effect'. No VDH fish consumption advisory.
	Parameter(s) of Concern: - Benthic-Macroinvertebrate Bioassessments (Streams)			